

**PLEASE NOTE:** This document is over 125 pages long. Please consider the environment before printing this document. Please do not let over 100 pages put you off ... there is a contents page to help you select and easily navigate towards areas of most interest.

| BUILDING | CONSTRUCTION | DEVELOPMENT | SUPPORTED ONLINE LEARNING | EDUCATION | FINANCE | LAW  
| MANAGEMENT | PLANNING | PROPERTY | RESIDENTIAL | RURAL | SUSTAINABILITY | VALUATION |



*Delivering excellence and continued  
support with integrity and passion!*

## e-bulletin

**December 2018**

**Welcome to UCEM's monthly e-bulletin for professionals working and aspiring to work in the Property & Construction industries.**

UCEM aims to disseminate information, promote current awareness and share good practice, to assist in the continual professional development of all those working and aspiring to work within the Property & Construction industries.

We welcome news and information from readers to include in future editions - please [email us](#)

**As this is the last e-bulletin for 2018, can I take this opportunity to wish you all a ...**

***Happy Christmas and  
a prosperous New Year!***



## Contents



### Latest UCEM news

[UCEM's widening participation ambitions boosted by acquisition of Built Environment digital network](#)

[Inspiring Built Environment professionals celebrated at 31<sup>st</sup> UCEM Property Awards](#)

[UCEM's centenary activity boosted by National Lottery Grant](#)

[Incoming RICS President gives talk to UCEM students and Alumni in Hong Kong](#)

[UCEM successful in Office for Students \(OfS\) registration application](#)

[Ten Surveyor award nominations for UCEM Apprentices and Alumni](#)

[Further news stories from the University College of Estate Management \(UCEM\)](#) incl. features, research published and a presence + voice at conferences.

---



## Other news

**Things you need to know this week:** Barnet residents vote for estate redevelopment - The biggest *Placemaking Resource* (incorporating *Regeneration + Renewal*) hitting the news are shared. In this article, Social Housing tenants approve redevelopment of their estate in first ballot to take place under new rule introduced by London mayor Sadiq Khan this summer (2018).

**Case Study:** Holding a festival to innovate in housing

**Advice:** Promoting meanwhile uses as part of regeneration

**'News from the nationals'** – gain access to *Estates Gazette's* daily round-up of the top property stories with quick links provided

[BRE and Loughborough University complete first phase refurbishment of Dementia-friendly demonstration home](#)

### Latest Data Protection News and Research:

- [Data laws made fit for the digital age.](#)
- General Data Protection Regulation (GDPR) – [What's new](#)
- [Information Commissioner's report brings the ICO's investigation into the use of data analytics in political campaigns up to date](#)
- [Democracy disrupted? Personal information and political influence](#) – Latest report from the Information Commissioner's Office (ICO)

**Please note** that there is a new **Information Governance** section later in this e-bulletin incl. **Copyright and Data Protection**

**Grenfell Tower fire** – [Latest developments, November 2018](#)

- *Construction Manager* – 'Contractor to strip cladding from blocks near Grenfell'.
- GOV.UK – Information relating to the fire at Grenfell Tower.

### Other News and Views cont.

[The future of retail](#) – Are bricks-and-mortar shops really doomed, as the headlines seem to suggest?

[Smart Cities District Information Modelling and Management for Energy Reduction](#) – Latest research collaboration from ARUP

[Homes England sets out plan to hit building targets](#)

[Prices, demand, and supply all in decline as Brexit uncertainty persists](#)

[Civil engineers shortage](#) – How can CEOs win the competition for talent? New research suggests the sector might be missing a trick.

[Concerns for Skills Shortages in the 21<sup>st</sup> Century: A Review into the Construction Industry, Australia](#)

[Soft skills for business success](#) – latest research from Deloitte Access Economics

[Revaluing Parks and Green Spaces – Measuring their economic and wellbeing](#) – Latest research from Fields in Trust

Royal Institution of Chartered Surveyors (**RICS**) **Knowledge and research** – [Insights](#) cover topical issues in land, real estate, construction and infrastructure to promote understanding of the profession, aid knowledge transfer and stimulate debate.

[‘Solutions to youth homelessness’ paper outlines strategy to help cause](#)

[Tackling mental health in the workplace and wellbeing with the Construction Industry](#) - Laing O’Rourke and Skanska in occupational health pilot

[Purple Light up 2018](#) for the International Day of Persons with Disabilities (IDPD) – 3<sup>rd</sup> December

[CBRE: Global Real Estate Market Outlook 2018](#) – Latest report explores key themes for major property sectors in 2018, in addition to macroeconomic conditions globally

*The Construction Index* – [Tendering begins for £1.2bn modular framework](#)

[Royal Institution of Chartered Surveyors \(RICS\) 150<sup>th</sup> anniversary](#)

[RICS News / New HMO rules come into effect in England on 1 October 2018](#)

[Building Cost Information Service \(BCIS\) Schedules of rates updated for 2019](#)

[Selecting benchmark building prices & further information on RICS’s BCIS](#)

[Access to the Joseph Rowntree Foundation’s latest research](#) reports and comments relating to policy and practice incl.

[How could Brexit affect poverty in the UK?](#)

[Even the cheapest local homes ‘out of reach for 40% of young adults’](#)

[Home Builders Federation \(HBF\) Reports and Housing Calculator](#)

**UK Property Research** – Latest research from Savills UK incl.

- [UK Property Research](#) - *Valuing Britain 2018*
- [Residential research](#) – Publication / *Spotlight: UK Waterfront* – November 2018
- [Commercial research](#) – Publication / *UK Commercial Market in Minutes* – November 2018
- [Rural Research](#) – Publication / *Spotlight: Estate benchmarking* – November 2018
- [Brexit Research](#) – dedicated pages to the implications for different sections of the UK property market of the European Union (EU) referendum result.

**Access to the House of Commons Library**, Research briefings that impact on our industries incl.

- [The Construction Industry: statistics and policy](#), and
- [Latest research briefing papers from the House of Commons Library](#)

**CIOB (Chartered Institute of Building) portal on government policy**

- [CIOB Policy Portal latest](#)
- [Construction and the Modern Slavery Act: Tackling Exploitation in the UK](#)
- [CIOB, RIBA and RICS collaborate on initiative to improve building quality](#)
- [Help shape the CIOB response to industry consultations](#)

**Latest information on Apprenticeships** incl.

- [Success for UCEM’s first two apprentices](#)
- [Develop talent for your business](#) - Further information on UCEM Apprenticeship programme
- Need to know: [Apprenticeship levy FAQs](#)
- [UCEM Accreditation and recognition](#)

**Access the ‘[Designing Buildings Wiki](#)’** – the construction industry knowledge base incl. Featured articles, and news.

- Further information on 'Designing Buildings Wiki', [Student resources](#) including a wide range of resources aimed at students of the built environment, and an [A-Z of Construction industry institutes and associations](#)
- [Fragmentation of the UK construction industry](#)
- [Designing Buildings Wiki](#) – to celebrate reaching 5,000 articles, have a look at the most popular articles in each of the 32 subject areas covered.

#### **The Construction Information Service - *CIS Insight 10/2018 Edition* –**

- [CIS Insight \(10/2018 Edition\)](#) – 'The problems with the construction industry – and how digitisation can help'. In the NBS Discover events, several innovations in how construction information can be collaboratively created, managed and shared, through the life of a building were shared. These were not solutions without problems. Part of each discovery event was devoted to some of the real issues the construction industry faces, and how digitisation can help address them,

as well as the latest current awareness, industry news, publications news and further reading that can be access via The Construction Information Service.

**The Smith Institute** - a leading independent 'think tank' which promotes progressive policies for a fairer society.

- [Information on The Smith Institute \(SI\).](#)

Gain access to the latest SI research reports incl.

- [The local Living Wage dividend,](#)
- [Out of Contract: Time to move on from the 'love in' with outsourcing and PFI,](#)
- [Delivering the renaissance in council-bit homes: the rise of local housing companies,](#) and
- [#notjustforboys / women in construction.](#) **Related link -**

**Women in construction: building a career in a challenging environment** - The Guardian picture essay.

#### **The National Trust (NT)**

- [National Trust - Big Issues](#) (incl. 'Transport & Tourism' and 'Land-use & planning') and their views
- [Why the National Trust care about planning](#)
- NT – "[Our Planning Principles](#)",
- NT – "[How we engage in planning: our role as a developer](#)",
- [Planning at a national level,](#) and
- [Planning at a local level.](#)

**[Upcoming Revo Research:](#)** Revo - Property. Community. (formerly the British Council of Shopping Centres)

**[Foster + Partners Projects](#)** - Further information available and access to the following:

- Image gallery,
- Sketches and drawings,
- Construction,
- Facts & Figures, and
- Project downloads.

#### **[Access the latest information on Building Information Modelling \(BIM\)](#)**

- What is Building Information Modelling?
- Gain access to **theNBS.com** website

**[The National BIM \(Building Information Modelling\) Library](#)** - Latest information freely available to access and download incl.

- The NBS BIM Toolkit, and NBS TV – the online video resource servicing-built environment professionals
- Free access to the '**NBS National Building Information Modelling (BIM) Report 2018**', and previous BIM Reports Incl. International BIM Reports in full,
- Blogging about BIM, Construction and NBS.

[Latest news on BIM](#) – BIM Around the world – The UK move to International BIM standards

[Latest library resources incl. book titles, journal articles and research](#)

Take a look at Taylor and Francis Online, FREE planning and urban design series e-books and blog

Read a free collection of research in Higher Education – from Wiley Education

Read the most talked about articles in Education!

[RICS Library services and e-Resources](#), and

[UCEM Library services and e-Resources](#) Incl. Emerald Insight – access provided to the entire ‘Property Management and the Built Environment’ collection

...and finally

[Hadrian the bricklaying robot builds complete house in three days](#)



## Property and Construction Statistics

Latest **RICS Economic Research / Market Surveys** incl.

- [RICS UK Economy and Property Market Chart Book](#) (Q4, 2018) – Brexit uncertainty features heavily in survey data
- [UK Residential Market Survey](#) (October 2018)

Barbour API's '[Economic and Construction Market Review](#)' – Report

**GCR** – *Global Construction Review*, '[UK construction profit warnings soar in first half of 2018](#)'

Latest Statistics and updates from the **Office for National Statistics (ONS)** incl.

- [ONS Release calendar](#)
- [Construction Industry update](#)
- Construction Industry highlights incl. [Construction Output in Great Britain: September 2018](#)
- [Datasets related to the Construction Industry](#)
- Output in the Construction Industry Incl. [Short-term economic indicators commentary: June 2018](#) and Construction Statistics Development Programme – Work plan
- [Construction Statistics, No. 19, 2018](#) Edition (Latest release) - Latest Construction Statistics release from ONS

[Glenigan \(provider of UK construction project sales leads, market analysis, forecasting, and company intelligence\)](#) - Construction Market Analysis

[Health and Safety Executive \(HSE\) Statistics](#) – Construction industry

[GOV.UK \(incl. House of Commons Library, Briefing Papers\)](#) – Construction Statistics



## e-Journal review

- RICS [Modus](#) Digital Magazine – October 2018: The Agile Issue
- Latest 2018 issue of [Contractors World International](#) (Vol 8, No 3) incl. Worldwide Panorama case studies, and Flat Roof Restored Efficiently
- British Institute of Facilities Management (BIFM) Digital Magazine – [FM World](#) August 2018: the latest issue
- The Heritage Alliance's latest '[Heritage Update](#)' e-Bulletin (November 2018) – The e-Bulletin provides current awareness and industry news over several built environment-related fields incl. Historic

England publishes 'Heritage and Economy 2018'; 'Autumn Budget 2018: summary'; 'DCMS publishes 'A connected society. A strategy for tackling loneliness'; 'No deal Brexit': how will it affect heritage sector?'; 'Cadw publishes "Historic Environment Update" No. 9'; 'Historic Houses published an important research on Heritage Maintenance Funds'; 'The Research Centre for Museums and Galleries (RCMG) of the University of Leicester publishes the report 'Prejudice and Pride. An analysis engagement and response', and more.

- [Open Praxis](#) (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education. The latest issue published (April 2018) incl. 'Mapping the open education landscape: citation network analysis of historical Open Education Practices', 'Conceptualising OEP: A review of theoretical and empirical literature in Open Education Practices', 'The potential role of Open Education Practice policy in transforming Australian higher Education', 'Assessing the Potential Toward Open Education Practices in Kyrgyzstan', 'Designing Continuing Professional Development MOOCs to promote the adoption of OER and OEP', 'Collaborative design of Open Educational Practices: An Assets based approach', and 'Opening the Curriculum through Open Educational Practices: International experience'.
- [EURODL \(European Journal of Open, Distance and E-Learning\)](#) is an electronic, multi-media, open access journal. It publishes the accounts of research and presents scholarly work and solid information about open, distance, online and e-learning in technology-enhanced education and training in its most inclusive definition. The latest issue incl. Liyanagunawardena T, Scalzavara S, and Williams S (2017) 'Open Badges: A systematic Review of Peer-Reviewed Publishers Literature (2011-2015)'
- Online Learning Consortium (OLC) [Online Learning Journal](#) – Latest issue published. NOTE: The MERLOT community has joined forces with the OLC (formerly Sloan-C) to expand scholarly research in the field of online education, with a merger of the Journal *Online Learning* (formerly JALN) and the *Journal of Online Learning and Teaching* (JOLT) that was previously reviewed within this e-Bulletin. The latest issue published (Vol 22, No 3 (2018)) incl. 'Special Issue [S.I.]: 2018 OLC Conference; 'Introduction to the Special Issue: Best Papers Presented at the OLC 2017 Accelerate Conference on Online Learning and the Innovate 2018 Conference'; 'Adaptive Learning: A Stabilising Influence Across Disciplines and Universities'; 'Gamify Online Courses with Tools Built into Your Learning Management Systems (LMS) to Enhance Self-Determined and Active Learning'; 'Strengths-Based Analysis of Student Success in Online Courses'; 'Student Perceptions of the Most Effective and Engaging Online Learning Activities in a Blended graduate Seminar'; 'Effective Tagging Practices for Online Learning Environments: An Exploratory Study of Tag Approach and Accuracy'; 'Emerging Technologies: It's Not What YOU Say – It's What THEY Do'; 'Scaffolding Progressive Online Discourse for Literary Knowledge Building'; '#DigPed Narratives in Education: Critical Perspective on Power and Pedagogy'; 'Increasing Undergraduate Success: A Randomized Controlled Trial of U-Pace Instruction'; 'Increasing Interpersonal Interactions in an Online Course: Does Increased Instructor E-mail Activity and a Voluntary In-Person Meeting Time Facilitate Student Learning?', and more.
- [The State of Innovation in Higher Education: A Survey of Academic Administrators](#) - This report explores the drivers and barriers to innovation at U.S. higher education institutions.

The [Open Education Research Hub](#) (OER Hub) research the impact of open educational resources (OER) in teaching and learning practices.

The [Directory of Open Access Journals](#) (DOAJ)

UCEM Students and Staff have full access to the Current and Archive copies of the following key academic journals:

**Taylor and Francis Online** incl.

- [Construction Management and Economics](#),
- [Building Research and Information](#), and
- [Journal of Property Research](#).

**Henry Stewart Publications** incl.

- [Corporate Real Estate](#),
- [Journal of Building Survey, Appraisal & Valuation](#), and
- [Journal of Urban Regeneration and Renewal](#).

[e-Journal review archive](#)



## **e-Book review**

**(Note:** Books are also reviewed within the e-Journals listed above)

- The Battle for Open: How openness won and why it doesn't feel like victory
- The new landscape of mobile learning: Redesigning education in an app-based world
- Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education
- Studying at a Distance
- Rethinking Pedagogy for a Digital Age, 2<sup>nd</sup> edition
- ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online

**The Directory of Open Access Books ([DOAB](#))**

**[Latest Published Books and Journal Titles](#)**

---



## **Information Governance incl. © **Guidance and Data Protection****

**Copyright and advice from the Copyright Licensing Agency Ltd (CLA)**

- Copyright Licensing Agency - [Title search tool](#)
- [Further guidance](#) on Copyright and Digital Copyright
- 5 Ways to find images for your website
- Know your copyrights from wrongs (within Construction and Development Projects)

**[Latest Copyright News](#)**

**[Data Protection information, advice and guidance provided](#) incl.**

- Get on track with the new Data Protection rules
- What are the aims, benefits and key changes of the new General Data Protection Regulations (GDPR)?
- Roles: 'Controller' or 'Processor'?
- Will GDPR matter for organisations in the UK after Brexit? and

**[Further Information, Advice, and Guidance on Data Protection](#)**

---



## **Useful online resources**

Incl. Open Educational Resources (OERs)

1. [Health and Safety Executive \(HSE\)](#) - Construction related information and health and safety guidance available
2. [REVO](#) – Retail. Property. Community (formerly the British Council of Shopping Centres (BCSC)). Access to further online resources incl. Research and Education



3. [The National Building Information Modelling \(BIM\) Library](#)
4. [Infabode](#) – The daily resource for **Real Estate** professionals and students
5. [Royal Institution of Chartered Surveyors \(RICS\)](#) – is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction.
6. [Chartered Institute of Building \(CIOB\) Archive](#) incl. research on Innovation in construction & Sustainability
7. [Inclusive Design Hub for the Built Environment](#)
8. [Building Research Establishment \(BRE\)](#)
9. [Global Research Gateway](#): CBRE's online resource for Real Estate Research
10. [TRUSTDR \(Trust in Digital Repositories\)](#) – a research project that examined how to effectively manage the legal aspects of digital collections of learning resources and produced a policy development toolkit.
11. [The CIT-EA Project Creating Innovative Technology – Enhanced Assessments](#) – a research project that explored ways to increase the amount of assessment in Further and Higher Education using technology.
12. [COPAC\\*](#) - COPAC exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search, you can discover the holdings of the UK's national libraries (including the British Library), many University libraries, and specialist libraries. N.B. COPAC has loaded the catalogue of the Institution of Civil Engineers (ICE) Library onto COPAC.



### [UCEM e-Library portrait](#) incl. enquiry service



### [Student career service](#)

**GoConstruct.org** – Careers website

A career in construction gives you the chance to be part of something BIG! [goconstruct.org](https://goconstruct.org) & [#ElizabethLine](#)

**TARGETjobs** – careers guides and directories (incl. *Property 2019* and *Engineering 2019*) for you to view online and download for future reference

#### **Access to: RICS Careers**

[Building a better you](#) – Property Elite provide training and CPD services for property professionals, incl. students and APC candidates.

#### **LATEST: Hot Topic Highlight – Leasehold Reform Consultation and the Autumn 2018 Budget**

- Property Elite's latest blog post takes a closer look at two hot topics for Autumn 2018; the recently published consultation on leasehold reform and the Autumn 2018 Budget. This will be relevant for a variety of pathways, including Building Surveying, Building Control, Quantity Surveying & Construction, Residential Property, Valuation and Commercial Property.

### [UCEM's Sustainability Hub](#)





[Useful web-links](#)

[Back to top](#)



## Latest UCEM news

### **UCEM's widening participation ambitions boosted by acquisition of Built Environment digital network**



UCEM's widening participation ambitions have been boosted after acquiring an innovative Built Environment digital network.

Building People, a social enterprise that aims to connect people traditionally not involved in the Built Environment sector with employers seeking to plug skills gap via an online platform, is now a subsidiary of UCEM.

As part of the acquisition, Building People founder, Rebecca Lovelace, has joined UCEM as an employee and will continue to advance the work of the technology platform and network, enabling and connecting an ecosystem of existing employment and skills providers with employers and jobseekers. Part-funding will now come directly from UCEM as part of the institution's every-growing focus on widening access to opportunities across the Built Environment.

UCEM Principal, Ashley Wheaton, commented: "I am delighted to welcome Rebecca and Building People to UCEM in what I believe will be a hugely positive development for all involved.

"When we held the **first Built Environment Skills Summit at UCEM at the end of 2017** (see further information later in this eBulletin), all the stakeholders in the room were unanimous in the view that the sector lacked a coherent voice and sufficient collaboration to effect demonstrably positive change.

"I then spoke to Rebecca who told me about Building People and her vision which convinced me that the organisation could provide that missing link between real estate and construction firms and underrepresented groups within the sector. I am tremendously excited about the future for Building People and look forward to supporting Rebecca in her efforts to galvanise the sector as it modernises to meet the challenges of an insufficient skills supply and appeal to more sections of society."

Rebecca Lovelace added: "It's fantastic that UCEM has been the first to truly invest in Building People. We already have significant support across industry and more many third sector employment and skills providers, and this commitment and leadership from UEM is enabling Building People to more securely take the next steps in joining the dots across the Built Environment.

"Building People's mission is to collaboratively develop and deliver a technology platform that enables improved connections between supply and demand across the Built Environment, aggregating and adding value to providers, not duplicating nor reinventing what already exists.

“Our aim is for Building People to become the single digital marketplace to connect people to opportunities across the sector in the UK. We don’t need to create yet another initiative; we need to enable and improve connections, drive traffic and add value to what already exists and make it easier for jobseekers and employers to come together. It is by enabling this collaboration that we can truly create one single marketplace that connects supply with demand.

Many groups and organisation are already supporters of Building People, including the Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Building (CIOB), Landsec, the Federation of Master Builders (FMB) and Women into Construction.

Sir John Armitt, Chairman of the City & Guilds Group, said: “The industry needs to improve its productivity and we need to find a better way to recruit, develop and retain the talent of diverse individuals.

“The ambition of Building People to create a technology platform and collaborative network, which enables connections and seeks to reduce skills shortages across the Built Environment, is timely and needed.”

To find out more about **Building People** and get involved, visit Building People website [online]. Further information is available at: <https://buildingpeople.org.uk/> [accessed 26 November 2018]

UCEM Website, News & Events, News (2018) – *UCEM’s widening participation ambitions boosted by acquisition of Built Environment digital network – 21 November 2018* [online]. Available at: [www.ucem.ac.uk/news-events/news/ucems-widening-participation-ambitions-boosted-by-acquisition-of-built-environment-digital-network/](http://www.ucem.ac.uk/news-events/news/ucems-widening-participation-ambitions-boosted-by-acquisition-of-built-environment-digital-network/) [accessed 26 November 2018]

[Back to top](#)

## Inspiring Built Environment professionals celebrated at 31<sup>st</sup> UCEM Property Awards

More than 100 guests came together for a celebration of achievements in the Built Environment at the 31<sup>st</sup> UCEM Property Awards earlier this month (see publication date).

The Crown Estate Chief Executive, Alison Nimmo CBE – as UCEM alumna and Honorary Fellow – became the 31<sup>st</sup> recipient of the main Property Award, which recognises an organisation’s or individual’s outstanding contribution to the property sector.

Alison was appointed Chief Executive by The Crown Estate in 2012 – becoming the first woman to take on the prestigious role – having spent five years with the Olympic Delivery Authority as Director of Design and Regeneration, where she was responsible for the design of the venues for the London 2012 Summer Olympics.

Alison was awarded a CBE in 2004 and a decade later, she was awarded the prestigious Royal Town Planning Institute Gold Medal for recognition of her services to town planning and sustainability throughout her career.

Commenting on her latest accolade, Alison said: “When I first studied at what was then The College of Estate Management, I would never have dreamed of standing up here with this prize.

“I’m a proud alumna of UCEM and I wouldn’t be here now if it wasn’t for the institution which gave me the opportunity to earn while I learned. I love cities, I love regeneration and I followed my heart. I have loved my career so far which has always been varied and interesting.

“It means a lot to me to win this award and I look forward to continuing to participate in the forward trajectory of the Built Environment sector as it progresses in an increasingly challenging climate.”

The ceremony on 11 October also revealed the fourth winners of the UCEM Academic Excellence and Alumni of the Year awards, which were first handed out in 2015.

Jane Henshaw, the Head of Building Surveying at Cadogan Estate, took home the Academic Excellence trophy, which recognises the academic excellence and quality of our students’ research and dissertation submissions.

Jane’s dissertation examined foresight techniques in urban planning at Cadogan Estate with the conclusion being that carefully considered architecture, place-making and reputation, and maintaining connections are vital for the surrounding area in Chelsea.

“Winning this award has given me a further wave of gratefulness for all the support I received from my family, friends, Cadogan and UCEM over a three-year period,” Jane said.

“It reinforces that the work I undertook looking into the use of foresight at Cadogan would be an appropriate area to further study. It gives me confidence for my future studies relating to foresight.”

Jane, who studies on UCEM’s MBA Construction and Real Estate programme, now plans to continue her research with the aim of publishing her findings in academic journals.

CBRE Director, Nicola Dixon-Brown, won the Alumni of the Year award. Nicola has been heavily involved in RICS Matrics for the past decade, working to inspire the next generation of surveyors. She was awarded The Rebecca Hickman Award for her contributions and, in 2014, elected onto the RICS Matrics UK-board.

In 2017, Nicola won the Young Surveyor of the Year Award in the Asset & Facilities Management category, where she was described by the judges as ‘a determined person, who clearly cares for not just her own work but her team and her industry, a real inspiration’.

Nicola, who obtained a Distinction on the MSc Surveying programme, and previously an Environmental master’s degree at St John’s College, Oxford, has pursued her passion for sustainability and recently oversaw a woodland biodiversity and conservation project, alongside waste reduction initiatives. She also sits on the RICS Editorial Board.

Reacting to winning the award, she said: “I am absolutely elated to be recognised by UCEM. I can’t believe it! I am honoured to have been shortlisted alongside such highly successful professionals and it is amazing to have won!”

UCEM Chairman, John Gellatly, opened proceedings and reflected on the institution’s progress in realising its vision in becoming the leading vocational online university, lauding the successful regulatory appraisals from the likes of the Office for Students (OfS) and Ofsted.

John also praised UCEM’s work in engaging in, and leading, the debate around the government’s apprenticeship agenda. He reflected: “The luncheon, as always, was a fantastic event and it was an honour to recognise the achievements of the many Built Environment professionals in the room. I am so pleased to see the impact UCEM has had on current and past students, and that is testament to the work of all its staff, brilliantly spearheaded by Ashley, with the support of a great Board of Trustees.”

Principal, Ashley Wheaton, praised UCEM’s staff, inviting a round of applause for their efforts, and highlighted the Ofsted monitoring visit, the successful annual monitoring return to the Quality Assurance Agency for Higher Education (QAA) and the positive National Student Survey (NSS) result as three standout achievements of the past summer.

Ashley reflected: “The Property Awards luncheon was an uplifting event which delivers each year. It was great to be in the company of our award winners and nominees alike, as well as our supporters from the sector to celebrate a wide array of achievements in the Built Environment.”

To learn more about the nominees for the Alumni of the Year award and further information is available at:

UCEM Website, News & Events, News (2018) – *Inspiring Built Environment professionals celebrated at 31<sup>st</sup> UCEM Property Awards* – 24 October 2018 [online]. Available at: [www.ucem.ac.uk/news-events/news/inspiring-built-environment-professionals-celebrated-at-31st-ucem-property-awards/](http://www.ucem.ac.uk/news-events/news/inspiring-built-environment-professionals-celebrated-at-31st-ucem-property-awards/) [accessed 26 November 2018]

[Back to top](#)

## **UCEM’s centenary activity boosted by National Lottery Grant**

UCEM’s centenary plans have been given a huge boost after receiving a grant from the National Lottery.

A grant of £10,000 has been awarded by the Heritage Lottery Fund to UCEM in support of UCEM’s centenary events and activities next year.

UCEM’s application included co-producing exhibitions with Reading Museum and the Museum of English Rural Life (MERL), a schools’ outreach programme and the publication of booklets in support of the project – all of which will now be brought to life following the grant award.

The project, entitled 'Celebrating 100 years of University College of Estate Management: Building Futures 1919-2019', will commemorate the institution's heritage and explore its social and historical impact across the century.

UCEM will celebrate 100 years of educating Built Environment professionals with the local community via its museums, schools and its own centenary website. The grant also gives UCEM the means to examine the history behind the images and artefacts that will be brought into public view for the first time.

The local community will be invited to learn about the education of a profession during wartime, including the introduction of correspondence courses for British Prisoners of War in Europe and three agricultural courses for members of the Women's Land Army through the funded centenary activities, as well as UCEM's place in Reading's history.

Jane Fawkes, UCEM's Deputy Principal, commented: "We are absolutely delighted to have had our application accepted by the Heritage Lottery Fund. This will enable us to kickstart an exciting programme of outreach activities in Reading to complement the wider centenary celebrations we have planned for 2019.

"Out thanks go to the players of the National Lottery for enabling us to commemorate our heritage, including the many interesting stories from the last century, to a wide audience. We are confident that these stories will be of interest to many people, from school children to those with a keen interest in local and wartime history, and everyone in-between!"

Michelle Roffe, Head of HLF South East said: "We are delighted to support this project, which, thanks to money raised by National Lottery players, will mean that more people will be able to get involved with, protect, and learn about the exciting heritage right on their doorstep."

To keep up-to-date with UCEM's plans for its centenary year, keep your eye on our website for further announcements.

Further information is available at:

UCEM Website, News & Events, News (2018) – *UCEM's centenary activity boosted by National Lottery grant* – 15 October 2018 [online]. Available at: [www.ucem.ac.uk/news-events/news/ucems-centenary-activity-boosted-by-national-lottery-grant/](http://www.ucem.ac.uk/news-events/news/ucems-centenary-activity-boosted-by-national-lottery-grant/) [accessed 26 November 2018]

[Back to top](#)

## **Incoming RICS President gives talk to UCEM students and alumni in Hong Kong**

UCEM alumni and students were treated to a seminar on the future of surveying delivered by incoming RICS President, Chris Brooke, in Hong Kong on 3<sup>rd</sup> October 2018.

Around 35 former and current students took advantage of the opportunity to sit on the seminar, entitled, 'The future of the profession – Opportunities & Challenges' at UCEM's Hong Kong office.

The RICS President Elect, who begins his presidential term in November 2018, considered current and future trends in the Built Environment and offered advice to the captivated audience about how best to take advantage of these in their careers.

Stephen Bartle, UCEM Director, Commercial and Business Development, commented: "This was a great opportunity for our students and alumni to hear Chris Brooke's insights into the future of the surveying profession at a time when many of them are launching their career in the built environment sector. As Chris prepares to take over the RICS Global presidency in November, we wish him a successful and productive year in his new role."

Chris, who is based in Hong Kong and the co-founder of real estate consulting firm, Brooke Husband, is a Chartered Surveyor within 28 years' experience in the property industry. He will take over as RICS President from incumbent, and UCEM alumnus, John Hughes, next month for the 2018/19 period.

To learn more about UCEM's Hong Kong officer and study opportunities for those based in the territory [click here](#).

Further information is also available at:

UCEM Website, News & Events, News (2018) – *Incoming RICS President gives talk to UCEM students and alumni in Hong Kong* – 10 October 2018 [online]. Available at: [www.ucem.ac.uk/news-events/news/incoming-rics-president-gives-talk-to-ucem-students-and-alumni-in-hong-kong/](http://www.ucem.ac.uk/news-events/news/incoming-rics-president-gives-talk-to-ucem-students-and-alumni-in-hong-kong/) [accessed 26 November 2018]

[Back to top](#)

## **UCEM successful in Office for Students (OfS) registration application**

UCEM was added to the Office for Students' (OfS) register of English higher education providers yesterday (see publication date).

UCEM received notification of its successful application – which enables the institution to access public grants and student support funding, as well as apply for the right to call itself a university – from the OfS on 26 September 2018.

The OfS is the new independent regulator of higher education in England. The aim of the OfS is to ensure that every student whatever their background, will have a fulfilling higher education experience.

As the regulator of higher education provision, the OfS will judge UCEM against the same criteria as other higher education providers.

In becoming registered, UCEM met the following OfS registered higher education provider criteria:

- Provides well-designed courses that deliver a high-quality academic experience for all students;
- Supports students from admission through to completion;
- Ensures students' outcomes are valued by employers or enable further study;
- Awards qualifications that hold their value over time, in line with recognised standards;
- Pays regard to guidance about how to comply with consumer protection law;
- Has a published student protection plan setting out the risks of course, campus or provider closure and how it will protect students' interests in such an event;
- Has the financial resources to provide and deliver the courses advertised;
- Has the management and governance arrangements necessary to provide and deliver the courses advertised.

UCEM Deputy Principal, Jane Fawkes, who led on the application, commented: "This is another milestone in UCEM's maturity as a fully independent institution.

"Our successful application was a real team effort with many staff contributing towards the achievement. Following on from encouraging results in the National Study Survey and positive outcomes from the recent Ofsted monitoring visit and QAA [the Quality Assurance Agency for Higher Education] annual monitoring return, this is further recognition of UCEM's commitment to excellence which supports the institution's vision to be the leading, vocational, online university."

The registration falls under the 'approved (fee cap)' category which opens more public grant funding opportunities than in the alternative 'approved' category. In addition to this, the registration enables students to apply for financial support when applying onto UCEM programmes.

Some higher education providers receive their registration subject to 'conditions of registration' whereby they must show the OfS that they are taking steps to improve access and outcomes for students from underrepresented groups. UCEM received no specific conditions of registration from the OfS. On this point, Jane added: "This is testament to our governance, quality and standards, and our commitment to access and participation, which is central to our core purpose and is part of the UCEM Royal Charter."

For more information, visit

UCEM Website, News & Events, News (2018) – *UCEM successful in Office for Students (OfS) registration application* – 27 September 2018 [online]. Available at: [www.ucem.ac.uk/news-events/news/ucem-successful-in-office-for-students-registration-application/](http://www.ucem.ac.uk/news-events/news/ucem-successful-in-office-for-students-registration-application/) [accessed 26 November 2018]

[Back to top](#)

## Ten surveyor award nominations for UCEM apprentices and alumni

UCEM is delighted to be strongly represented at an upcoming young surveyor awards evening.

Five UCEM apprentices feature in the shortlist for the Apprentice of the Year category of the RICS Matrics Young Surveyor of the Year Awards 2018, while five former students are present in the Mentor of the Year, Quantity Surveying and Construction, and Valuation categories, respectively.

The five UCEM shortlisted apprentices in the 12-strong Apprentice of the Year category are: Chartered Surveyor – Quantity Surveying apprentices, Aaron Pearson (Faithful+Gould) and Charlotte Hatt (AECOM) and Chartered Surveyor – Commercial Real Estate apprentices, Harvin Chohan (CBRE), Jessica Neale (CBRE) and Laura Rafferty-Trow (Spectrum Solicitors Ltd).

GVA's Gillian Green, who completed a Postgraduate Diploma in Surveying with UCEM in 2013, is nominated in the Mentor of the Year category. Faithful+Gould's Jennifer Marshall, who graduated from UCEM's MSc Quantity Surveying programme this year and Laura Collins from Rider Levett Bucknell, who graduated from the BSc Quantity Surveying programme in 2010, are both named in the Quantity Surveying and Construction category. Laura won the Alumni of the Year award at last year's UCEM Property Awards.

The Valuation award category sees the Valuation Office Agency's Lucy Edwards nominated, with Lucy having studied with the institution twice (Diploma in Surveying Practice and BSc Estate Management). Former Diploma in Surveying Practice student, Adam Henchcliffe of Countrywide Surveyors, is also in the mix for the valuation award.

UCEM's Interim director of Apprenticeships, John Pratt, commented: "This is fantastic news all round and I am delighted that five of our apprentices have been recognised for their hard work in this way.

"It shouldn't surprise use that we have so many nominations in this category as we are currently the largest provider of surveying degree apprenticeships and this is a great endorsement of the work we are doing to facilitate the fledging apprenticeship agenda.

"It's also pleasing to see four different firms represented by the nominees and the achievement is just reward for them too which reflects well on their willingness to support apprentices in England. I hope to see many more success stories in future as our apprentice numbers continue to grow."

UCEM Alumni Relationship Manager, Mo Fahey, added: "I'm delighted to see a strong alumni presence with the nominations of this prestigious awards evening. We have a huge number of former students flourishing in the Built Environment sector and it's great to see five of them recognised for their recent efforts in the surveying industry.

"From those five, we have representatives who graduated from 2007 all the way up to this year (see publication date) which shows our unwavering support for Built Environment professionals which has been in place ever since our foundation in 1919.

"It's great to see these stories and I would urge any alumni out there who haven't engaged with our Alumni Association to get in touch, reconnect with your peers and network with those who make up the association."

The awards ceremony will take place on 30 November in London, where one of the nominees, as well as having the opportunity to win their category, will win the ultimate accolade of RICS Matrics Young Surveyor of the Year 2018.

Further information is available at:

UCEM Website, News & Events, News (2018) – *Ten surveyor award nominations for UCEM apprentices and alumni* – 25 September 2018 [online]. Available at: [www.ucem.ac.uk/news-events/news/nine-surveyor-award-nominations-for-ucem-apprentices-and-alumni/](http://www.ucem.ac.uk/news-events/news/nine-surveyor-award-nominations-for-ucem-apprentices-and-alumni/) [accessed 26 November 2018]

[Back to top](#)

**Other UCEM News stories incl.**

**UCEM's Built Environment Skills Summit report demands the UK rises to the challenge**





For further detail and access to the report in full, please visit, UCEM Website, News & Events, News (2018) – *UCEM's Built Environment Skills Summit report demands the UK rises to the challenge – 31 January 2018* [online]. Available at: [www.ucem.ac.uk/news-events/news/ucems-built-environment-skills-summit-report/](http://www.ucem.ac.uk/news-events/news/ucems-built-environment-skills-summit-report/) [accessed 26 November 2018]

### **Online, Flipped, Blended Approach to Apprenticeship Education: A case study of UCEM's Surveying Technician Diploma**

'Online, Flipped, Blended Approach to Apprenticeship Education: A case study of UCEM's Surveying Technician Diploma', presented at the World Conference on Online Learning [online], 6-19 Oct, Toronto. For further information on this innovative project and to access the case study in full please [Click Here](#). [accessed 26 November 2018].

### **University College of Estate Management features in 'Masterminds of Construction' in association with ITN productions and the CIOB**

UCEM Website, News & Events, News (2017) – *University College of Estate Management features in 'Masterminds of Construction' in association with ITN productions and the CIOB* [online]. Available at [www.ucem.ac.uk/news-events/news/ucem-features-masterminds-construction-association-itn-productions-ciob/](http://www.ucem.ac.uk/news-events/news/ucem-features-masterminds-construction-association-itn-productions-ciob/) [accessed 26 November 2018]

**See also:** CIOB – Chartered Institute of Building website [online]. Available at [www.ciob.org/masterminds-construction](http://www.ciob.org/masterminds-construction) [accessed 26 November 2018]

**N.B.** Please refer to additional information provided later within this e-Bulletin.

**UCEM website @** [www.ucem.ac.uk](http://www.ucem.ac.uk)

**& why not follow us on our newly updated Social Media sites also incl.**



<https://twitter.com/StudyUCEM> [accessed 26 November 2018],



<https://www.facebook.com/StudyUCEM> [accessed 26 November 2018],



<https://www.linkedin.com/company/university-college-of-estate-management> [accessed 26 November 2018],



<https://www.youtube.com/user/cembuildingfutures/videos> [accessed 26 November 2018].

---

[Back to top](#)





## Other news

### Things you need to know this week: Barnet residents vote for estate redevelopment

'Things you need to know this week' is a weekly article produced by Placemaking Resource and incorporating *Regeneration + Renewal* magazine and highlights the biggest placemaking stories from the past seven days (see below mentioned publication date). In this article, Social housing tenants approve redevelopment of their estate in the first ballot to take place under new rule introduced by London mayor Sadiq Khan this summer.

This and other stories incl.

- **Residents of a north London estate have voted in favour of its redevelopment in the first ballot to take place under the rule introduced by London mayor Sadiq Khan earlier this year (see publication date).** Almost 75 per cent of social housing residents at the Westhorpe gardens and Mills Grove estate in Barnet voted in favour of the proposals, which were drawn up by housing association Metropolitan Thames Valley (MTVH). Almost 66 per cent of 108 eligible residents took part in the vote, which followed a series of community consultation events attended by more than 60 per cent of residents. MTVH is aiming to replace the estate's 1970s built social housing with a mixed tenure community of approximately 250 homes. The 102-existing social rented homes would be replaced with the additional homes being for affordable rent, shared ownership and retirement living. The London mayor introduced the policy in July requiring resident ballots to be carried out for proposed major estate regeneration schemes involving any demolition of social homes for them to receive funding from City Hall.
- **Developer Thakeham and affordable housing provider Radian have formed a joint venture to deliver more than 600 homes in Pease Pottage, west Sussex.** The joint venture will develop 619 homes on a 45-hectare site, with much of the proposed scheme design by architect JTP already having planning consent. The planned scheme also includes a home for local charity St Catherin's Hospice, A primary school and a community hub.
- **Private rented sector player Grainger is to forward fund and acquire a 108-home scheme in Tottenham Hale, paving the way for a larger scale regeneration on the north London site.** The scheme will form the first phase of the Hale Wharf development, which is planned to provide more than 500 homes in all, as well as commercial and leisure space, and public realm improvements. Hale Wharf is being developed by Waterside Places, a joint venture of Muse Developments and the Canal & River Trust.
- **Housebuilder Legal & General Homes has signed a partnership deal with affordable housing provider VIVID to deliver more than 500 affordable homes in Wokingham Berkshire.** The decade-long deal will see 525 affordable homes delivered at Legal & General Homes' Finchwood Park development at Hogwood Farm in Finchampstead. Almost 60 per cent of the homes will be available for social rent, with affordable rent and shared ownership homes also being made available. Legal & general Homes will build the private units on the site.
- **Rushmoor Borough Council has completed a deal to buy Aldershot's former Marks & Spencer building in its latest move to drive the regeneration of its town centre.** The building makes up more than half of the land required for the regeneration, and the deal follows a string of other property acquisitions in the area. Over the coming months the council and its development partner, Hill Investment Partnerships, operating as Rushmoor Development Partnerships, will be formulating proposals for the Union Street East regeneration.
- **Cheshire East Council has appointed a team led by property consultant Cushman and Wakefield to develop a vision and strategy for economic growth in Macclesfield town centre.** Other members of the team include engineering consultant WSP and urban designer Open, while professor Cathy Parker of Manchester Metropolitan University's Institute of Place Management has been appointed independent expert advisor.

Source: **Placemaking Resource** (incorporating *Regeneration + Renewal*), Smit, J., 14 November 2018, *Need to know: Barnet residents vote for estate redevelopment* [online]. Further information available at: [www.placemakingresource.com/article/1499004/need-know-barnet-residents-vote-estate-redevelopment](http://www.placemakingresource.com/article/1499004/need-know-barnet-residents-vote-estate-redevelopment) [accessed 26 November 2018]

[Back to top](#)

### Case study: Holding a festival to innovate in housing

- The Bristol Housing Festival is a five-year experiment involving city players and general public to find solutions to the housing crisis, writes the author of this article.

From London's 1930s built Isokon flats to housing charity Joseph Rowntree Foundation's City-Centre Apartments for Single People at Affordable Rents, there have been numerous experiments in housebuilding and different ways of living. Many exercises in housebuilding innovation, however, seem to make a little or no impact on the design and delivery of mass-market homes.

But with a shortage of new homes and skills to build them, and demographic, social and technological change affecting many aspects of our lives, the time could be right for big thinking on housebuilding innovation. That's what Bristol has set out to achieve with the Bristol Housing Festival. The festival launched on 19 October (see publication day) with an exhibition, which runs to 4 November, but that is only the start of a five-year focus on housing innovation that will see test homes developed on several sites across the city to inform urban housebuilding. The festival is a product of Bristol One City, the collaborative and place-based approach adopted by Bristol City Council to address city challenges. It is supported by Bristol City Council, community interest company Bristol and Bath Regional Capital, West of England Combined Authority and social reform body The Shaftesbury Partnership.

### **The challenge**

"We have systematic failure in housing – it's not working for this city, for our nation and around the world," says Jez Sweetland, the festival's project lead. "We need courage to work together to think differently and prototype and start again."

The broad-ranging festival, with its Bristol One City approach, offers the potential for greater reach, collaboration and impact than the individual test projects more usually seen in housebuilding. Sweetland says, "A lot of the expertise I've looked at is in industry solos, and a lot of ideas don't fit into existing social or planning systems/ The festival socialises ideas and makes a space for a conversation, with the city council being an enabling force for change."

That conversation's participants go beyond housing professionals to all the city's players and the general public. "It is important we do this as a city," says Sweetland. "The housing crisis affects everybody, so we have to engage the wide city." Similarly, the conversation is not only about building more homes, but about how housing can help to enable health and wellbeing or the rehabilitation of offenders. "The outcomes here are a broader vision of healthier and more resilient cities," stresses Sweetland.

Making the festival happen has been a challenge, and the city council was only able to secure sign off for the event eight weeks before the launch, says Sweetland, adding, "Once the city stepped in we were able to engage with sponsors." The festival launched with a list of sponsors including architect BDP, developer YTL developments, government agency Homes England, law firms Bevan Brittan and Burges Salmon, and locally based tech business like Solverboard.

### **The solution**

The festival's free exhibition showcases several innovations, including homes from:

- ZED Pods: a sustainable modular home, designed for key workers. Homes are super-insulated and designed for low energy consumption
- BDP: a factory construction eco-home designed to fit into small urban spaces, such as garage plots
- ISO Spaces: a one-bedroom home created in a recycled shipping container
- Totally Modular: a two-bedroom, four-person, steel framed modular house, which typically can be built in less than 600 hours.

Other exhibitors include modelmaker Amalgam and Bristol is Open, an initiative of the council and the University of Bristol that is applying smart city innovation to urban challenges.

Alongside the exhibition, there is a string of events, including talks, seminars, resident meetings, and co-creation sessions. Over the school half-term holiday week, there were special events for children, such as the city blocks game, run by University of Bristol's design and manufacturing futures lab. This gave children the chance to build their own Lego™ city, scan the design and explore the end result in virtual reality.

At the festival's launch the city council pledged to make sites available across the city to host small-scale innovative and affordable homes schemes, either temporarily or permanently. Some of the sites would normally be seen as undeliverable using conventional housing development methods, as councillor Paul Smith, cabinet member for housing at Bristol City Council says, "Some will be between, on top of even underneath existing buildings."

The council has started the programme by investing in six of the modular ZED Pods for key workers, but future schemes could explore very different ways of living, such as inter-generational living or co-living.

### **Learning to date**

The festival has been enthusiastically received by the general public, with more than 3,000 people visiting the exhibition in its first five days. The exhibition was also visited by a delegation from the Global Parliament of Mayors, as Bristol mayor Marvin Rees hosted in 2018 annual summit as the festival launched.

The initiative is generating broader interest, notably from the city of Boston, says Sweetland, but the focus right now is firmly on Bristol, he adds. "We want to move Bristol forward. Each city will have its organic and specific problems and they can learn from one another."

The festival is currently working with universities and other partners to ensure measurement and research are embedded into future building projects, to gather learning. That learning will ultimately feed through to larger scale development across the city, and there is an acceptance that not every experiment will be successful. "Some might fail – and in politics that's a very difficult thing to do," acknowledges Sweetland. But it's a challenge that needs to be faced, he emphasises. "A city has a lead. By deploying research and development we may start to uncover progress."

Source: **Placemaking Resource** (incorporating *Regeneration + Renewal*), Smit J, 31 October 2018, *Case Study: Holding a festival to innovate in housing* [online]. Further information available at:

[www.placemakingresource.com/article/1497695/case-study-holding-festival-innovate-housing](http://www.placemakingresource.com/article/1497695/case-study-holding-festival-innovate-housing) [accessed 26 November 2018]

[Back to top](#)

## **Advice: Promoting meanwhile uses as part of regeneration**

- Meanwhile uses can bring long term benefits as well as short term activity awaiting redevelopment, but developers need to be persuaded to allow them, writes the author of this article.

Promoting meanwhile uses can bring long term benefits to a site that is awaiting redevelopment as well as short term activity. That is the view of Matt Pochin-Hawkes, senior planner at planning and design consultancy Lichfield.

In recent years there has been an increase in meanwhile uses. A report by the think tank Centre for London estimates that there are 51 meanwhile sites in the capital with a floorspace of more than 188,000 square metres. But there is untapped potential as there are a further 20,000 commercial units that have been empty for at least six months, the report points out. Land and property owners and developers need to be persuaded of the benefits. Malcolm Hockaday, senior director at Lichfields, says, "Some appreciate that it can improve their relationship with the local community and bring early activity to a site, as well as produce new ideas for their schemes. He adds, "Promoting meanwhile uses is fun because you can try out ideas that bring life to an area." Here are three points to consider when promoting meanwhile uses as part of a regeneration programme.

### **1. Integrate meanwhile uses into the development programme.**

Many large developments take a long time to get going or are built in phases. "Sites are left empty for long periods, which can be taken over for meanwhile uses, says Nick Finney, planner at planning consultancy Arup. The benefits can be maximised if there is a strategy to coordinate temporary uses with the major redevelopment, he says.

The consultancy is drawing up a meanwhile use strategy for the large Meridian Water site in Enfield, in north London, which is owned by the local authority. "We want to maximise the placemaking benefits of the meanwhile uses by locating them at strategy points on the site," he says. High value attractive meanwhile uses are being considered at an entrance to the 82-hectare site, particularly around a new rail station, he says. Disused industrial space on the inside of the site is allocated for lower density creative uses.

Sites for major transport projects can provide opportunities for meanwhile uses, says Lauren Gillet, project director at the Camden Collection, in north London. The agency, which was set up by the local business improvement district, takes over empty and underused space in the north London borough and lets it out on short term leases at much reduced rents to cover its costs. "Many landowners don't think about promoting meanwhile use or are frightened of it," she says. "We have to be proactive and approach them and reassure them that the sites will be available when they are needed for redevelopment," she adds. "We are firm with our tenants, that the space is only available for a fixed period." Last year, Camden Collective had to give up an old hospital building that was needed for the construction of the High Speed 2 railway. But it has another building, which Transport for London acquired to build a new station at Camden Town.

Interim uses can help support the final scheme, says Toby Hyam, managing director of Creative Space Management, an agency specialising in managing spaces for creative businesses. He points to the Fruit Market

redevelopment, in Hull city centre, which started with spaces in the vacant historic buildings being taken over for temporary uses by artists and other creative people. "This demonstrated the talent in the area," he points out. "Once the redevelopment got going some of the businesses went into the new space."

## **2. Work with the community on interim uses**

Bringing in interim uses is a good way for developers to set up good relations with the local community.

"The uses, which might be a series of events, can demonstrate the site's potential and that something is happening on the site," says Lichfields' Pochin-Hawkes. They can also try out some of the permanent community uses, which might be provided as part of the overall new development.

## **3. Try out ideas on empty sites without a clear long-term use**

Introducing meanwhile uses works well in buildings and sites where the developer or property owners do not have a clear idea of the long-term use, says Huw Williams, commercial manager at Coastal Housing Association. The housing association diversified its activities when Swansea town centre lost its major retailers, leaving large empty shops. The association started buying them up and talking to the community about ideas for their reuse. "We developed our relationship with artists and other creative people in the town and have converted six large spaces for galleries with offices above and a night club below," Williams explains. "These uses could become permanent," Williams adds. "They have brought variety and life into the high street, which doesn't have a clear future as a shopping centre," he says. The meanwhile uses have helped attract other permanent development, like a centre for digital businesses, he points out.

Lichfields' Hockaday points to a multi-storey car park in Peckham, in south London, which was temporarily reused for artist studios and a restaurant. "The structure was going to be demolished but the temporary uses have been so successful that it is being retained in the long term," he says.

Further information is available at:

Kochan B (2018), 'Advice: Promoting meanwhile uses as part of regeneration', Placemaking Resource, Incorporating *Regeneration and Renewal* [online], 30 October. Available at:

[www.placemakingresource.com/article/1494732/case-study-tackling-community-fragmentation-anti-social-behaviour](http://www.placemakingresource.com/article/1494732/case-study-tackling-community-fragmentation-anti-social-behaviour) [accessed 26 November 2018]

[Back to top](#)

## ***Estates Gazette's 'News from the nationals'***

– Access to a daily round-up of the top property stories with quick links ...

*Estates Gazette* (2017) 'News from the nationals' [online]. Further information is available at:

[www.egi.co.uk/news/](http://www.egi.co.uk/news/) [accessed 26 November 2018]

[Back to top](#)

## **BRE and Loughborough University complete first phase refurbishment of Dementia-friendly demonstration home**

- The first phase of a new 'dementia-friendly' home on BRE's Watford Innovation Park, has been completed, having been further developed in partnership by BRE – the leading building science research centre and experts from Loughborough University.

The building has been adapted to help educate housebuilders, carers and relatives on how to better support those living with dementia, using design principles that are geared towards helping them to live in their own home for longer, thus dramatically improving the quality of life and reducing the cost of care. More additions and enhancements will be made over the coming months to support the ongoing research projects which will identify key areas that could help the millions of people who are affected by dementia, in some way.

The dementia-friendly converted terrace house includes:

- Clear lines of sight and colour-coded paths through the home that help guide people towards each specific room
- Increased natural lighting, which is proven to help people stay alert during the day and to sleep better at night
- Automatically controlled natural ventilation to provide good indoor air quality
- Noise reduction features, to reduce stress
- Simple switches and heating controls, and safety sensors in high risk areas such as the kitchen

- homely, simple and familiar interior design to help promote rest and relaxation.

Further information is available at:

Source: BRE (2018) 'BRE and Loughborough University complete first phase refurbishment of Dementia-friendly demonstration home' [BRE website homepage > BRE Group > Press Releases > BRE and Loughborough University Complete first phase refurbishment of Dementia-friendly demonstration home] BRE.com [online]. Available at: <https://bregroup.com/press-releases/bre-loughborough-complete-first-phase-refurbishment-dementia-friendly-demonstration-home/> [accessed 26 November 2018]

[Back to top](#)

## Latest Data Protection News & Research:

### Data laws made fit for the digital age

- Tough new data protection laws, The General Data Protection Regulation (GDPR) became law on 25 May 2018.

People will now be able to move their personal data between service providers such as WhatsApp and Facebook to rival social media platforms. This includes taking account settings and information, including contacts, profile photos, and group names.

People will have the right for their personal data held by companies to be erased when they turn 18. They will also be able to demand an organisation discloses all the personal data it holds on them more easily and, for the first time, for free.

The Data Protection Act 2018 will force companies to use people's personal data responsibly or risk millions of pounds in fines. These could run into billions of pounds and be as much as four per cent of a firm's global turnover.

The Act will support UK businesses and organisations as we prepare to leave the European Union. People will be able to:

- Get more information about how organisations will use and share their data

- Withdraw consent for the use of their personal data more easily
- Require an organisation to disclose the personal data it holds on them more easily – and, for the first time, for free
- Move data between service providers such as rival social media platforms
- Benefit from tougher cybersecurity rules, and the right to be told when their data is breached, and the breach is sufficiently serious
- Ask for their personal data held by companies to be erased in a wider range of circumstances, including when they turn 18
- Benefit from a new age-appropriate design code that will help website understand the needs of children and young people online.

The Information Commissioner's Office (ICO) has been granted new powers to act swiftly when people's data has been breached and allow her to hold rogue companies to account. This includes being able to:

- Issue fines of up to £17 million or 4 per cent of global turnover for the most serious data breaches
- Demand access to an organisation's premises to carry out 'no notice' inspections without a warrant
- Request a court order to force someone to share information, with the prospect of criminal convictions when this is not followed.

The Government will shortly publish a consultation on exemptions to paying ICO fees to ensure the regulations remain appropriate in the new regime.

This and further information can be found at:

GOV.UK, Department for Digital, Culture, Media and Sport, and Margot James MP (2018), News Story: 'Data laws made fit for the digital age' [online]. Available at: [www.gov.uk/government/news/data-laws-made-fit-for-the-digital-age?utm\\_source=792e6351-26af-4550-abe1-85b07a4a97a5&utm\\_medium=email&utm\\_campaign=govuk-notifications&utm\\_content=immediate](http://www.gov.uk/government/news/data-laws-made-fit-for-the-digital-age?utm_source=792e6351-26af-4550-abe1-85b07a4a97a5&utm_medium=email&utm_campaign=govuk-notifications&utm_content=immediate) [accessed 26 November 2018].

**WATCH: What is GDPR? [video].** Available via the above-mentioned link. Duration [1m 53s]

**In relation to UCEM, we are fully committed to protecting the rights of individuals to have their personal data collected and stored securely and used for only legitimate and lawful purposes for which**



their consent has been sought. UCEM complies with the Data Protection Act 1998 and will comply with General Data Protection Regulation 2016 from May 2018 when it becomes part of UK law. To access the UCEM full Data Protection Policy and its Privacy Policy that sets out the type of information UCEM collect and how it is used, can be accessed via the UCEM website and available at: [UCEM Website > Home > About UCEM > UCEM policies @ www.ucem.ac.uk/about-ucem/ucem-policies/](http://www.ucem.ac.uk/about-ucem/ucem-policies/) [accessed 26 November 2018]

[Back to top](#)

## GDPR - What's new?

The guide to the GDPR explains the provisions of the GDPR to help organisation comply with its requirements. The Information Commissioner's Office website has a **What's new** section that is updated on a regular basis to highlight and link to any changes as they occur, for example:

**November 2018** - ICO published detailed guidance on encryption,

**September 2018** – ICO expanded their guidance on exemptions,

**August 2018** – ICO expanded guidance on International transfers.

Further information is available at:

ICO (2018) 'Whats' new' [ICO Website > Home > For organisations > Guide to the General Data Protection Regulation (GDPR) ] ICO [online]. Available at: <https://ico.org.uk/for-organisations/guide-to-the-general-data-protection-regulation-gdpr/whats-new/> [accessed 26 November 2018]

[Back to top](#)

## [Information Commissioner's report brings the ICO's investigation into the use of data analytics in political campaigns up to date](#)

- When the UK's Information Commissioner's Office (ICO) into the use of data analytics for political purposes in May 2017, they had little idea of what was to come.

Further information is available at:

Information Commissioner's Office (2018) 'Information Commissioner's report brings the ICO's investigation into the use of data analytics in political campaigns up to date', ICO [online], 6 November Available at:

<https://ico.org.uk/about-the-ico/news-and-events/news-and-blogs/2018/11/ico-s-investigation-into-the-use-of-data-analytics-in-political-campaigns/> [accessed 26 November 2018]

[Back to top](#)

## **Democracy disrupted? Personal information and political influence – Latest report from the Information Commissioner's Office (ICO)**

Political parties and campaign groups in the UK and beyond are increasingly using personal information and sophisticated analytics techniques to target voters. The behavioural models widely used in the commercial sector have in recent years been adopted in political campaigning.

But to retain the trust and confidence of electorates and the integrity of the elections themselves, all the organisations involved in political campaigning must use personal information and these techniques in ways that are transparent, understood by people and lawful.

This report intends to 'draw back the curtain' on how personal information is used in modern political campaigns. It summarises the policy findings from our data analytics investigation, making recommendation in respect of the transparent and lawful use of data analytics in political campaigns in the future.

This and further information is available at:

ICO (2018) *Democracy disrupted? Personal information and political influence* – Latest report from the Information Commissioner's Office (ICO) [online]. Available at: <https://ico.org.uk/> [accessed 26 November 2018]

[Back to top](#)

## Grenfell Tower latest developments – November 2018

### Contractor to strip cladding from blocks near Grenfell

- Emergency work to strip dangerously flammable cladding from two blocks near Grenfell Tower in London has been deemed so urgent that a contractor has been appointed to carry out the work without a tender process being put in place.

The Royal Borough of Kensington and Chelsea has engaged Salisbury-based D+B Facades to carry out the work at Adair and Hazelwood Towers, which will begin on 14<sup>th</sup> November 2018. Residents were informed the week prior to this.

The contractor is to start setting up equipment to the rear and side elevation of Adair Tower before removing the external wall insulation system (EWI) made up of polystyrene interlocking boards.

It will remove the cladding from one block at a time, with work on Hazlewood Tower following on from Adair Tower.

The move follows an executive decision taken by the council in October regarding the buildings, which were constructed in 1958 and each contain 78 one- and two-bedroom flats.

A fire risk assessment undertaken by Turner & Townsend in February (see publication date) determined that the render system was a potential fire hazard, which results in round-the-clock fire wardens being deployed at both blocks at a cost of around £26,000 a week.

The council decided that the cladding system needed to be removed “as soon as practically possible” and waived the contract regulations for competitive bidding, approving instead a direct contract award for the removal of the render system to D+B Facades UK in a deal worth £500,000 plus professional fees.

The work on both towers is expected to take five months.

#### **Polystyrene test concern**

Council documents revealed that while no laboratory tests on the flammability of the materials currently in place on the buildings has been carried out, a sample of polystyrene was subjected to a small flame and while no burning was noticed, the material shrank from the flame.

Meanwhile, Turner & Townsend and the fire brigade sought guarantees regarding the presence and integrity of the vertical and horizontal fire barriers but were unable to secure any.

Listing the advantages of carrying out the work straight away, the council cited the fact that it was the quickest option to remove the hazard from the building and the quickest option to remove the requirement for fire wardens and associated costs.

However, it also acknowledged that there will be potentially higher overall costs to replace the system, which could be mitigated through a careful procurement strategy, that structures will be left vulnerable to the weather and will need temporary protection (costing another estimated £250,000), and that disruption and the unsightly appearance of the building was likely to result in “resident dissatisfaction”.

The installation of a new external insulated render system is estimated to cost £2.5m. The council indicated it would waive leaseholder contributions towards costs associated with the replacement of the external cladding system, estimated at £350,000.

Source: Gerrard N (2018) ‘Contractor to strip cladding from blocks near Grenfell’, *Construction Manager* [online], 13 November. Available at: <http://www.constructionmanagemagazine.com/news/firm-appointed-without-tender-urgent-cladding-remo/> [accessed 26 November 2018]

#### **Related Link:**

Taylor D (2018) ‘Tower recladding work to leave London residents in the cold’, *Guardian, Housing* [online], 9 November. Available at: <https://www.theguardian.com/society/2018/nov/09/tower-recladding-work-to-leave-london-residents-in-the-cold-grenfell> [accessed 26 November 2018]

- Blocks near Grenfell Tower to be stripped of hazardous insulation over winter.

[Back to top](#)

## **Collection: Grenfell Tower**

### **GOV.UK – Information relating to the fire at Grenfell Tower**

- Information relating to the fire at Grenfell Tower. Contents incl. Announcements; Letters; and **Guidance** incl.



- Advice for building owners: large-scale wall system test,
- Grenfell Recovery Taskforce: terms of reference,
- Explanatory note on large scale cladding systems testing,
- Grenfell Tower fire: handling immigration cases,
- Explanatory note on safety checks and testing,
- HB Bulletin U3/2017: Discretionary Housing Payments to former residents of Grenfell Tower, and
- Grenfell Tower fire: support for people affected (see below).

Government information incl.

- **Support for people affected by the Grenfell Tower fire**

Information about the support available for people affected by the Grenfell Tower fire can be found (as mentioned above) – *Source:* GOV.UK (2017), Department for Communities and Local Government and Home Office, Park of: Grenfell Tower, published: 15 June 2017, last updated: 1 August 2017, Guidance: *Grenfell Tower fire: support for people affected* [online]. Available at: [www.gov.uk/guidance/grenfell-tower-fire-june-2017-support-for-people-affected](http://www.gov.uk/guidance/grenfell-tower-fire-june-2017-support-for-people-affected) [accessed 26 November 2018]

- Information about the support available for people affected by the Grenfell Tower fire on 14 June 2017 incl. Urgent advice and support for victims, their friends and families; Updates; Mental health support; Mental health and emotional support for young people; Bereavement support; Physical injuries; Air quality and smoke exposure; Business support advice; Pet support; and How you can help.

- **Building Safety Programme**

Find out more and receive updates on the Building Safety Programme, established by the government to identify buildings of concern through a comprehensive checking and testing process – *Source:* GOV.UK (2017), Department for Communities and Local Government, published: 20 July 2017, Guidance: *Building Safety Programme* [online]. Available at: [www.gov.uk/guidance/building-safety-programme](http://www.gov.uk/guidance/building-safety-programme) [accessed 26 November 2018]

- A co-ordinated national response to the fire at Grenfell Tower. Contents incl. Advice for landlords and building owners; Further advice for landlords and building owners; Financial information for local authorities and housing associations; Independent expert advisory panel; Screening, testing and wall cladding systems programme; How the testing programme works; and Industry response group

The Department for Communities and Local Government (DCLG) has established the Building Safety Programme to identify buildings which are of concern through a thorough checking and testing process.

With the support of local fire and rescue services and a panel of independent expert advisers, DCLG is supporting landlords in taking immediate steps to ensure the safety of residents and in reaching decision on any necessary remedial works.

The programme will work with housing providers, schools, hospitals and industry to develop building solutions and a co-ordinated approach to deliver those solutions.

The programme is advised by an independent expert advisory panel established to recommend to the government any immediate action it thinks the government should take that will improve public safety and help to identify the buildings of concern.

DCLG are also working closely with an industry response group of representatives from across the construction, manufacturing and architectural sector to develop and co-ordinate the approach for any necessary remedial work.

*Source:* GOV.UK (2017), Department for Communities and Local Government, published: 22 June 2017, last updated: 20 July 2017, Collection: *Grenfell Tower* [online]. Available at: [www.gov.uk/government/collections/grenfell-tower](http://www.gov.uk/government/collections/grenfell-tower) [accessed 26 November 2018]

#### **Further Related Links:**

Designing Buildings.co.uk Wiki, (2018) 'CIC response to Hackitt report' [online], last edited 6 August 2018.

Further information is available at: [https://www.designingbuildings.co.uk/wiki/CIC\\_response\\_to\\_Hackitt\\_report](https://www.designingbuildings.co.uk/wiki/CIC_response_to_Hackitt_report) [accessed 26 November 2018]

GOV.UK, Ministry of Housing, Communities and Local Government (2018) Independent report - *Independent Review of Building Regulations and Fire Safety: final report* [online], 17 May. Available at:

[www.gov.uk/government/publications/independent-review-of-building-regulations-and-fire-safety-final-report](http://www.gov.uk/government/publications/independent-review-of-building-regulations-and-fire-safety-final-report) [accessed 26 November 2018]

RICS – *Working together, we will right the wrongs of Grenfell* - Clark A, RICS President 2016/17 (2017) *Working together, we will right the wrongs of Grenfell* [online]. Available at: [www.rics.org/uk/news/news-insight/comment/working-together-we-will-right-the-wrongs-of-grenfell/](http://www.rics.org/uk/news/news-insight/comment/working-together-we-will-right-the-wrongs-of-grenfell/) [accessed 26 November 2018]

RICS guidance on existing high-rise buildings fire safety - RICS (2017) *RICS guidance on existing high-rise buildings fire safety* [online]. Available at: [www.rics.org/uk/news/news-insight/comment/rics-guidance-on-existing-high-rise-buildings-fire-safety/](http://www.rics.org/uk/news/news-insight/comment/rics-guidance-on-existing-high-rise-buildings-fire-safety/) [accessed 26 November 2018]

Global Construction Review, (2017) 'UK government under attack for failing to fund sprinkler retrofits', *Global Construction Review* [online], 23 October. Available at: [www.globalconstructionreview.com/news/uk-government-under-attack-failing-fund-sprinkler-/#read](http://www.globalconstructionreview.com/news/uk-government-under-attack-failing-fund-sprinkler-/#read) [accessed 26 November 2018]

GOV.UK (2017), Department for Communities and Local Government and The Rt Hon Sajid Javid MP, Part of: Grenfell Tower, Published: 28 July 2017, Press release: *Independent review of building regulations and fire safety* [online]. Available at: [www.gov.uk/government/news/independent-review-of-building-regulations-and-fire-safety](http://www.gov.uk/government/news/independent-review-of-building-regulations-and-fire-safety) [accessed 26 November 2018]

Designing Buildings.co.uk Wiki, (2018) 'Grenfell Towner, latest developments – April 2018' [online], last edited 15 March 2018. Further information is available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) and [www.designingbuildings.co.uk/wiki/Grenfell\\_Tower\\_Inquiry#Timetable](http://www.designingbuildings.co.uk/wiki/Grenfell_Tower_Inquiry#Timetable) [accessed 26 November 2018]

[Back to top](#)

## **The future of retail**

- In 2018 it seems barely a month passes without a much-loved high-street retailer either closing down or shutting dozens of stores, with casualties including Maplin and Toys R Us. But ...

### **Are bricks-and-mortar shops really doomed, as the headlines seem to suggest?**

Retail remains the single largest private sector employer in the UK, with one in 10 people working in retail, and annual sales totaling a staggering £258bn. Despite the alarming headlines on the demise of the British high street, online sales still only account for 17pc of total retail sales in the UK, according to the Office for National Statistics.

Britain's retail landscape is dominated by supermarkets such as Tesco, Sainsbury's, Asda and Morrisons, following by department stores such as John Lewis. Technology retailer Dixons Carphone also makes the top 10, along with Boots, according to market research firm Global Data. But Amazon muscled into the top five this year (behind the supermarkets), and now accounts for £4 in every £100 spent in the UK.

The ongoing shift towards online, dovetailing with the growing experience economy, is impacting many traditional retailers who face inflexible leases, high rents and excess properties. Bookshops are also adversely affected, with only half the number there were a decade ago, according to the Centre for Economics and Business Research. Even loyalty cards are no longer as powerful a draw as they once were, with just 6pc of customers saying they would stop going to a store if it dropped its loyalty card, according to analyst TCC Global. But while retailers are under increasing pressure, the picture is not bleak for all. Grocery retailers are experiencing robust growth in an inflationary environment, while the nimbler, pure-online players continue to grow market share. Many also argue that customers will want the experience of going to a shop, a view shared by Alan Hawkins, CEO of the British Independent Retailers Association (BIRA).

"All retailers, no matter what sector they work in, face day-to-day challenges and burdens on their business," says Mr Hawkins. "The consumer is king and if they want to buy online, then that is their call. But from our observations consumers still want the experience and level of service found when shopping in a bricks-and-mortar store."

New technologies – from Augmented Reality (AR) to robotics – are helping retailers to turn the tide, experts have told the Telegraph, with many now combining online and offline, digital and physical, to survive in turbulent times.

Further information (including the challenges of Wages, Brexit, Consumer spending, Online shopping, Competition, and High-street retailers) can be found at:

Telegraph (2018) 'The Future of Retail', *The Telegraph* [online]. Available at: [www.telegraph.co.uk/business/tips-for-the-future/future-of-retail/#.W78La1ah7EY.mailto](http://www.telegraph.co.uk/business/tips-for-the-future/future-of-retail/#.W78La1ah7EY.mailto) [accessed 26 November 2018]  
[Back to top](#)

### **Smart Cities District Information Modelling and Management for Energy Reduction – Latest research collaboration from ARUP**

ICT is recognised as being a key player against climate change: smart meters, big data, and actuators can efficiently control the energy supply networks (smart thermal and electricity grids). A District Information Model and Management system for Energy Reduction (DIMMER) was developed by Arup to present real-time energy consumption and production (electricity, heating, cooling), analytics, and **visualisation** on a web-based interface incorporating 3D models and interactive client applications. The objective of DIMMER was to make district energy production and consumption information available using a natural, visual, web-service oriented interface to increase energy efficiency, load balancing, and energy market flexibility. The results from research undertaken by Arup enhanced 3D modelling, visualization, and user interaction technologies by enabling user profiling and feedback to promote energy efficient behaviours. The DIMMER project focused on unlocking the potential of smart technologies. Integration of heterogeneous monitoring systems exploiting middleware technologies was an important aspect of the DIMMER project. Virtual models of districts were created, based on **BIM**, to enable simulation and interactive visualization of energy flows. The project was validated through case studies in Turin and Manchester. Building user feedback information was correlated with opportunities for energy optimization. Analysis was performed to enable personalized energy tariff plans and their evaluation based on profiled use of energy. A set of client applications were developed for three types of users: energy suppliers, public administrators, and energy and building managers.

#### **Project Impact**

The DIMMER project provided many benefits for our client and has impacted on European research. It allowed Facilities Managers to access building information by means of 3D models to enhance building automation and control, in order to enable energy savings. The project also informed users by making them aware of the importance of their energy-related actions. Variable/personalized energy tariffs were supported and promoted through the project, as well as utility load balancing and optimization of energy efficiency measures. The DIMMER project provided a system for verifying energy saving potential and cost-effectiveness of novel demand-side technologies. Arup (n.d.) *Smart Cities District Information Modelling and Management for Energy Reduction* [online], London: Arup. Available at: [www.arup.com/projects/smart-cities-district-information-modelling-and-management-for-energy-reduction](http://www.arup.com/projects/smart-cities-district-information-modelling-and-management-for-energy-reduction) [accessed 26 November 2018]  
[Back to top](#)

### **Homes England sets out plan to hit building targets**

- Modern methods of construction, the industry approved term for prefabrication, is set to be promoted by Homes England in its new five-year plan. The government house-building agency also intends to provide financial support for smaller developers. Home England, previously the Homes & Communities Agency, has published a five-year plan setting out what it plans to do to help the government meet its target of 300,000 new homes a year being built across the UK by the mid-2020s. The plan lists five priorities: unlocking land, unlocking investment, increasing productivity, driving market resilience and supporting local areas. The push for prefabrication comes under 'increasing productivity'. A requirement to use modern methods of construction (MMC) will be incorporated in Homes England leases, it says. In the short term, Homes England plans to "support pilot projects where there is developer interest in testing MMC to learn lessons and understand costs". It will use development finance to encourage developers to put up prefabs to increase the capacity of the off-site manufacturing industry. Support for SME builders comes under

‘driving market resilience’. The five-year plan says: “We’ll create a more resilient and competitive market by supporting smaller builders and new entrants and promoting better design and higher quality homes.” Over the next two years Home England will provide up to £2.5bn development finance to smaller builders who are unable to access funding from banks through the £4.5bn Home Building Fund, it says. It will launch a Housing Delivery Fund with Barclays to provide £1bn of development finance to increase the pace and volume of housing delivery and support smaller builders. And it will increase its investment with Lloyds Bank in the Housing Growth Partnership to provide up to £220m of equity finance for smaller builders. Tender and legal documents will also be made simpler on smaller sites to make the bidding process easier, it says.

When it comes to unlocking land for building on, early priorities include: progressing enabling infrastructure works on major developments at Northstowe in Devon and Burgess Hill in Sussex; acquiring land and investing in enabling infrastructure to bring forward developable sites where the market will not, using the £1bn land assembly fund; and continuing the disposal of surplus public-sector land.

Homes England also plans to pilot a direct commissioning contracting approach under which risk and reward is shared with partners – in return for a significant increase in the pace of delivery – to deliver more than 1,300 starts on seven sites in the next two years (see publication date). In the longer term, Homes England plans to deliver at least 2,000 starts on site by March 2023, 4,000 starts a year by the mid-2020s and 23,000 completions by March 2030 through its land assembly fund, which should be self-financing by March 2023. It also plans to unlock public and private land with capacity for up to 27,000 homes by funding on-site infrastructure and land remediation through its small sites fund and use its local authority accelerated construction programme to bring forward surplus council land for up to 32,000 homes.

Chief executive Nick Walkley said: The new Homes England is all about making homes happen – and our new 5-year plan sets out our ambitious new approach. We are committing to boosting housing supply, productivity, innovation, quality, skills and modern methods of construction to help make a more diverse and resilient market. In return, we are calling for partners and the wider industry who share our ambition to challenge traditional norms and build better homes faster.”

James Brokenshire, currently secretary of state for housing (see publication date), said “This government is committed to delivering 300,000 homes a year by the mid-2020s and help more people get on the housing ladder. Homes England is at the heart of these plans. I welcome their comprehensive vision that sets out how through their powers and expertise they will maximise Government investment to deliver the homes communities needs.”

The five-year strategic plan follows this week’s budget announcement of seven new strategic partnerships with housing associations, expected to deliver an additional 13,475 affordable homes by March 2022. The seven new partnerships are with: Platform Housing Group (following the merger of Fortis and Waterloo Housing Associations on the 1<sup>st</sup> October); Guinness and Stonewater (in partnership); Optivo; Southern Housing Group; Orbit; Thirteen; and Vivid.

This is in addition to the first eight strategic partnership deals announced in July 2018, bringing the total number of additional affordable homes that will be delivered to 27,755.

Source: The Construction Index (2018) ‘Homes England sets out plan to hit building targets’, The Construction Index [online], 31 October. Available at: [www.theconstructionindex.co.uk/news/view/homes-england-sets-out-plan-to-hit-building-targets](http://www.theconstructionindex.co.uk/news/view/homes-england-sets-out-plan-to-hit-building-targets) [accessed 26 November 2018]

[Back to top](#)

## **Prices, demand, and supply all in decline as Brexit uncertainty persists**

- In October 2018, the fall in interest from new buyers has led to a more negative trend in house prices, according to the latest RICS UK Residential Market Survey. While the regional picture remains varied, respondents are also doubtful that UK sales momentum will pick-up over the coming months.

### **RICS UK Residential Market Survey, October 2018: Outcomes**

- Key price indicator now falling nationally, with half of the UK regions price balances now flat or negative
- Demand from new buyers falls in the face of interest rate rises and continued Brexit uncertainty in the run up to Christmas 2018
- Regional picture does however still vary, with Northern Ireland in particular still showing a strong residential market

Further information is available at:

RICS (2018) 'Prices, demand, and supply all in decline as Brexit uncertainty persists', [RICS UK website > Home > News & Insight > Latest News > Prices, demand, and supply all in decline as Brexit uncertainty persists] RICS [online], 8 November. Available at: [www.rics.org/uk/news-insight/latest-news/press-releases/prices-demand-and-supply-all-in-decline-as-brex-it-uncertainty-persists/](http://www.rics.org/uk/news-insight/latest-news/press-releases/prices-demand-and-supply-all-in-decline-as-brex-it-uncertainty-persists/) [accessed 26 November 2018]

**Please note:** there is more detailed information within the [Property and Construction Statistics](#) section later in this e-bulletin.

[Back to top](#)

## Civil engineers shortage

- How can CEOs win the competition for talent? New research suggests the sector might be missing a trick. Credible plans to address the shortage of civil engineers often seem to be focused on long-term sustained actions that won't deliver now but several years in the future. Possible. New research sponsored by ICE suggests CEOs and the sector are missing a trick that can be actioned now.

**Introduction** - All of us, whatever our position or role within the infrastructure sector, are aware of the critical need for more civil engineers, now and in the future. A large number and wide variety of long-term actions are underway to change this. All are highly valuable and very much needed. In this article, the Institute of Civil Engineers (ICE) state how proud they are to encourage and celebrate such projects. However, new research suggests that CEOs and the infrastructure sector are missing an actionable trick that could start delivering real benefits in the competition for talent right now. So, what's the research and what does it show?

**ICE sustainability survey** – In the biggest survey of its type ICE has conducted, UK based members were asked questions about sustainability. CEOs and senior staff may sign heavily at this point – 'sustainability is not my bag, not a commercial priority, not a technical priority, all a load of greenwash.' We sympathise. But bear with us, this new data is particularly important for CEOs and senior staff. The engineers surveyed were at different stages of their careers, with both some common themes and differences between millennials and non-millennials. Overall, the vast majority (87%) of engineers agreed that their projects should be delivering sustainable development goals. Just 34% of respondents felt that their firm had suitable measurement methods for projects, with millennials twice as likely for non-millennials to say they their firm's scheme was not fit for purpose (36% vs 16%). Consistent with this challenge, millennials were 15-20% more demanding of the overall need to drive improved measurement of SDG impacts on projects. Take home message: for millennials, sustainability is a core part of professional aspirations, and they want to see change – fast, relevant, measurable – and they want to be part of the discussion.

**Competing as a buyer in a seller's market** – So what, you may think. But given that there's a major shortage of engineering talent, it's a sellers' market for talent, not a buyers one. Engineers have the ability to choose the firms that best meet their professional aspirations and avoid those that don't. Employers don't get a great deal of choice. Given the size of the shortage – 60,000 new engineers needed every year – competing for talent is a strategic priority for all engineering firms. As a strategic responsibility, it falls to CEOs and senior staff to address successfully. Since working on projects that explicitly and actively deliver sustainability is a priority for the new generation of talent, existing senior talent needs to ensure that their projects and firms are explicitly and actively providing such projects. Recognising this issue enables CEOs to see sustainability in a new light: not as tired or vague waffle but as a realistic source of competitive advantage in the competition for talent. This is a key aspect that frequently gets overlooked in strategic discussions about sustainability.

**Global issues, global opportunities and global networks** – So how can this be done? Sustainability is a global matter, includes lots of issues and can be a very vague term remote from the shovel-ready focus of day-to-day engineering projects. Two things will be particularly helpful in enabling CEOs and senior staff to exploit this competitive opportunity to recruit and retain talent. Firstly, a greater understanding of the UN's Sustainable Development Goals (SDGs) and how they can be applied to infrastructure projects. Covering 17 different aspects of society, such as clean water and sanitation (SDG6), energy (SDG7), Industry innovation and infrastructure (SDG9), sustainable cities and communities (SDG11) and life below water (SDG14), the SDGs set out development targets to be achieved by all nations by 2030. These can be used within projects both within the UK and elsewhere to set design objectives and within firms to set strategic objectives. Secondly, learning about thought-provoking example projects and firms that are already delivering sustainability, and sharing experiences with their peers from around the world.



**Please note:** Further information on the 'UN's Sustainable Development Goals' can be found within the Sustainability Hub later on in this e-bulletin.

Source: ICE - The Institution of Civil Engineers (2018) 'Civil engineers shortage', **Designing Buildings.co.uk Wiki** [online], last edited 6 August 2018. Further information is available at: [www.designingbuildings.co.uk/wiki/Civil\\_engineers\\_shortage](http://www.designingbuildings.co.uk/wiki/Civil_engineers_shortage) [accessed 26 November 2018]

---

**NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone can be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then must consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

### **Concerns for Skills Shortages in the 21<sup>st</sup> Century: A Review into the Construction Industry, Australia**

The Australian Construction Industry is now facing skills shortages in all trades. As an industry focused on the skills of its workforce, there is now concern the Australian standard in quality, workmanship, and productivity will inhibit both at national and international level.

This research paper addresses the underlying, influential factors concerning skills shortages in the Australian construction industry. The influential factors addressed include funding, training statistics, employer expectations, financial limitations, Industrial Relations and immigration. Given the reference to skills shortages within the industry, and documented in related literature, if skills shortages are to continue to exist, their effect will impact upon the overall performance of construction companies throughout Australia.

UTS ePRESS is Open Access and therefore to access this article in full, please visit -

Source: Watson M (2007) 'Concerns for Skills Shortages in the 21<sup>st</sup> Century: A Review into the Construction Industry, Australia', *Construction Economics and Building*, Vol 7 (1) [online], UTS ePress. Available at: <http://epress.lib.uts.edu.au/journals/index.php/AJCEB/article/view/2977> [accessed 26 November 2018]



Please note: This work is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).

[Back to top](#)

### **Soft skills for business success – Building Australia's future workforce**

- Soft skill-intensive occupations will account for two-thirds of all jobs by 2030. DeakinCo. Asked Deloitte Access Economics to assess the importance of obtaining and measuring soft skills to better understand areas that need to be improved in the Australian workforce and businesses.

#### **Summary**

A workforce with a broad mix of skills is crucial for business success and national prosperity. Businesses with more skilled staff have higher rate of innovation and productivity. And academic literature has found a consistent relationship between human capital and economic growth.

But do we fully understand the workforce skills necessary for success? Soft skills are also referred to as employability skills, enterprise skills and they are transferable between industries and occupations. They include

things like communication, teamwork, and problems solving, as well as emotional judgement, professional ethics and global citizenship.

DeakinCo. Asked Deloitte Access Economics to assess the importance of obtaining and measuring soft skills to better understand areas that need to be improved in Australian workforce and businesses. To do this, Deloitte Access Economics consulted with key industry experts and analysed new detailed data from job matching tools, LinkedIn and Workable, to assess both international and domestic demand for these skills and how well positioned Australians are to provide them.

As technology, globalisation and demographic shifts continue to shape how businesses compete, the importance of soft skills will grow. In this report, Deloitte Access Economics forecasts that soft skill intensive occupations will account for two-thirds of all jobs by 2030, compared to half of all jobs in 2000. The number of jobs in soft-skill intensive occupations is expected to grow at 2.5 times the rate of jobs in other occupations.

Businesses recognise the importance of building soft skills in their employees in order to harness the broader benefits. We estimate that businesses spend \$4 billion every year on training, and another \$7 billion each year on recruiting the right staff. Yet without objectively and comprehensively measuring soft skills, it is difficult to measure the impact of this investment.

Given the importance of soft skills, we must continue to build our understanding of how we perform. Effectively investing in improving our soft skills will bring significant benefits – to individuals, business and our economy.

To access and download the report, visit

Source: Deloitte (2017) 'Soft skills for business success' [online]. Available at:

[www2.deloitte.com/au/en/pages/economics/articles/soft-skills-business-success.html](http://www2.deloitte.com/au/en/pages/economics/articles/soft-skills-business-success.html) [accessed 26 November 2018]

#### **Related Link:**

Parker K, Head of Business Improvement at Town and Country Housing Group (2018) 'Mind the gap!' – managing the skills gap in the construction sector', LinkedIn [online]. Available at: [www.linkedin.com/pulse/mind-gap-managing-skills-construction-sector-katherine-parker/](https://www.linkedin.com/pulse/mind-gap-managing-skills-construction-sector-katherine-parker/) [accessed 26 November 2018]

[Back to top](#)

## **Revaluing Parks and Green Spaces – [Measuring their economic and wellbeing](#)**

*Revaluing Parks and Green Spaces: Measuring their economic and wellbeing value to individuals* is research conducted in line with HM Treasury best practice in valuing non-market goods. This research provides a robust economic valuation of parks and green spaces in the UK as well as valuing improvements in health and wellbeing associated with their frequent use. It is the first study on parks and green spaces to apply welfare weighting methodology allowing for more informed evidence-based policy decisions.

#### **Headline Findings**

- **The Total Economic Value to an individual is £30.24 per year** (£2.52 per month), and includes benefits gained from using their local park or green space and non-use benefits such as preservation of parks for future generations.
- **The Wellbeing Value associated with the frequent use of local parks and green spaces is worth £34.2 billion per year** to the entire UK adult population
- **Parks and green spaces are estimated to save the NHS around £111 million per year** based solely on a reduction in GP visits and excluding any additional savings from prescribing or referrals

To access and download the report, visit

Source: Watt E, Lawton Dr. R [et al.] (2018) *Revaluing Parks and Green Spaces – Measuring their economic and wellbeing* [online], London: Fields in Trust. Available at: [www.fieldsintrust.org/research](http://www.fieldsintrust.org/research) [accessed 26 November 2018]

[Back to top](#)

## **[RICS Research](#)**

Within the Royal Institution of Chartered Surveyors (RICS) Research they recognise the huge importance of property, land, construction and the built environment. Through their market surveys and research, they aim to advance the thinking of the professional and raise the profile of our industry.



**RICS Research** cover topical issues in land, real-estate, construction and infrastructure in order to promote understanding of the profession, aid knowledge transfer and stimulate debate.

As of 6 November 2018, the topics covered include.

- **Planning and development** – Cities, health and well-being
- **Infrastructure** – BIM and the rail industry supply chain, 1<sup>st</sup> edition
- **Planning and development** – Extending permitted development rights in England: the implications for public authorities and communities
- **Environment** – Minimum Energy Efficiency Standards (MEES): Impact on UK property management and valuation
- **Quantity surveying and construction** – Sharing construction cost data – benefits, challenges and opportunities
- **Environment** – Big data, smart cities, intelligent buildings – surveying in a digital world
- **Valuation** – The Future of Valuations
- **Property technology** – The technological revolution and the future of residential property
- **Commercial** – Shared property services in the public sector: a future of collaboration?
- **Sustainability** – Global Trends in Data Capture and Management in Real Estate and Construction
- **Property technology** – Artificial intelligence: What it means for the built environment

To access and download the above-mentioned reports, please visit

Source: RICS website > Home > News & Insight > Research (2018) [online]. Available at: [www.rics.org/uk/news-insight/research/](http://www.rics.org/uk/news-insight/research/) [accessed 26 November 2018]

[Back to top](#)

### **'Solutions to your homelessness' paper outlines strategy to help cause**

- As figures show, a staggering 86,000 young people have been homeless at some point in 2018, with not idea where their next meal or safe place to sleep will come from. RICS have produced a unique paper that pulls together answers from every quarter to bring an end to this stain on our society.

Rather than trying to create a one size fits all solution, RICS has brought together the leading thinkers from charities to housing associations, developers to politicians, to present a full range of solutions that tackle the short, medium and long term causes of youth homelessness.

'Solutions to Youth Homelessness' highlights a range of innovative solutions including a reform of the PRS (private rented sector); an overhaul of the support structure provided to young people; new ways to help with labour and skills. Recent funding and trials of rent flexibility on mental health and well-being, and contributions such as funding and new policy additions are also discussed.

The launch of the RICS paper coincides with the organisation's 150<sup>th</sup> anniversary and its campaign with property industry charity, LandAid – known as Pledge150 – to raise funds for the young homeless across the UK in their anniversary year.

RICS highlights the need to be creative with housing use – including utilising modern methods of construction for temporary accommodation on meanwhile sites, pursuing dorm or co-living developments and the industry working together to provide training opportunities within the construction industry. It also highlights the need to think beyond the physical homes. A summary of recommendations via the below mentioned source and cover-

- **Housing supply**
- **Collaborative approach**
- **Support**
- **Government policy**
- **About Pledge150**

Further information is available at:

Source: RICS (2018), 'Solutions to youth homelessness' paper outlines strategy to help cause'. [RICS website > Home > News & Insight > Latest news > 'Solutions to youth homelessness' paper outlines strategy to help cause].

[Back to top](#)

## Related links incl.:

**RICS Research (2018), *Cities, health and wellbeing***. [RICS website > Home > News & Insight > Research > Cities, health and well-being]. RICS [online]. Available at: [www.rics.org/uk/news-insight/research/insights/cities-health-and-well-being/](http://www.rics.org/uk/news-insight/research/insights/cities-health-and-well-being/) [accessed 26 November 2018]

Kirkup A (2018) '**Tackling mental health in the workplace**' [online], 2 February 2018. Further information is available at: [www.ice.org.uk/news-and-insight/the-civil-engineer/february-2018/tackling-mental-health-in-the-workplace](http://www.ice.org.uk/news-and-insight/the-civil-engineer/february-2018/tackling-mental-health-in-the-workplace) [accessed 26 November 2018]

Buckland D (2017) '**Building up wellbeing in construction**' [online], *Future of Construction*. Available at: <https://futureofconstruction.org/> [accessed 26 November 2018]

**Designing Buildings.co.uk Wiki**, (2017) 'Building up wellbeing in construction' [online], last edited 29 August 2017. Further information is available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) and [www.designingbuildings.co.uk/wiki/Building\\_up\\_wellbeing\\_in\\_construction](http://www.designingbuildings.co.uk/wiki/Building_up_wellbeing_in_construction) [accessed 26 November 2018]

Sharman J, NBS (2017), '**Mental health and the construction industry**' [online]. Available via the Construction Information Service (CIS) Short Article 05/2017 (accessed via the VLE e-Library, Athens, and IHS Information Services)

Cameron, C., (2017), '**Mind matters: Protecting the wellbeing of your workforce by raising awareness of mental health**' [online], and available at: [www.builderandengineer.co.uk/feature/mind-matters-protect-wellbeing-your-workforce-raising-awareness-mental-health](http://www.builderandengineer.co.uk/feature/mind-matters-protect-wellbeing-your-workforce-raising-awareness-mental-health) [accessed 26 November 2018], *Building&Engineer*, 7 March.

Mind (2018) 'Mental Health Awareness Week 2018 – Helping you create a less stressful workplace' [online]. Available at: [www.mind.org.uk/workplace/mental-health-awareness-week-2018/](http://www.mind.org.uk/workplace/mental-health-awareness-week-2018/) [accessed 26 November 2018].

GOV.UK (2017), Department for Digital, Culture, Media and Sport, Part of: Community Life Survey and Community Integration, Published: 25 July 2017, Official Statistics: *Community Life Survey 2016-17* [online]. Available at [www.gov.uk/government/statistics/community-life-survey-2016-17](http://www.gov.uk/government/statistics/community-life-survey-2016-17) [accessed 26 November 2018]

**Community Life Survey 2016-17** - Source: Heritage Update e-Bulletin [online], Issue **No 352**, 27 July 2017, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018]

[Back to top](#)

## **Purple Light Up 2018 for the International Day of Persons with Disabilities (IDPD) – 3<sup>rd</sup> December**

The United Nations designated **3<sup>rd</sup> December** as the International Day of Disabled people (or the International Day of Persons with Disabilities (IDPD), as they put it). Every year, since 1992, disabled people, organisations and governments all over the world celebrate this day in a wide variety of ways. The UN's theme for this year (2018) is "**empowering persons with disabilities and ensuring inclusiveness and equality**".

Last year (2017), taking inspiration from the familiar LGBT+ rainbow flag, the phenomenal Kate Nash OBE, Creator and CEO of PurpleSpace, tweeted a simple idea: How about celebrating IDPD with a #PurpleLightUp?! The response was mind-blowing and NADSUK was so proud to be part of the vibrant movement that ensued! The colour Purple provided a unifying identity for all disabled people (regardless of impairments), our experiences, struggles, strengths and ambitions, and the contributions we make to our economy as employees! Why Purples? This is this **PurpleSpace YouTube video on The Story of Purple** [online]

PurpleSpace (2017) 'The story of people', YouTube [video]. Available at: [www.youtube.com/watch?time\\_continue=2&v=3BxFRQaBFeQ](http://www.youtube.com/watch?time_continue=2&v=3BxFRQaBFeQ) [accessed 3 Decm]

NADSUK - National Association of Disabled Staff Networks (2018) 'International Day of Persons with Disabilities (IDPD) – 3<sup>rd</sup> December' [online]. Available at: <https://nadsuk-uk.org/purple-light-up-2018/> [accessed 3 December 2018]

[Back to top](#)

## **CBRE – Global Real Estate Market Outlook 2018**

- Report explores key themes for major property sectors in 2018, in addition to macroeconomic conditions globally

In addition to macroeconomics, this report explores six key global themes:

- **Capital Markets:** Corporate acquisitions to shape the investment market in 2018
- **Pricing:** Overall, cap rates will largely be stable globally in 2018, supported by positive investor sentiment and capital availability.
- **Office:** Leasing fundamentals are positive; constrained by tight labor supply.
- **Retail:** Buoyant consumer confidence is driving retail demand.
- **Industrial & Logistics:** E-commerce continues to drive strong industrial and logistics demand
- **Multifamily:** Multifamily is the star performer of the U.S. commercial property market.

Further information and access to read online or download the above-mentioned research report is available at CBRE (2018) *Global Real Estate Market Outlook 2018* [online]. Further information is available at: [www.cbre.com/research-and-reports/Global-Real-Estate-Market-Outlook-2018](http://www.cbre.com/research-and-reports/Global-Real-Estate-Market-Outlook-2018) [accessed 26 November 2018]

### **Related Link**

Access essential **CBRE Research and Reports**, date and insights @ CBRE via the CBRE website, *Research and Reports* [online]. Available at: [www.cbre.com/research-and-reports](http://www.cbre.com/research-and-reports) [accessed 26 November 2018]

[Back to top](#)

## **Tendering begins for £1.2bn modular framework**

- The government's Crown Commercial Service has published the tender notice for a £1.2bn contract to create a pool of suppliers of modular buildings.

The four-year framework alliance contract covers the design, supply, delivery and construction or installation as well as maintenance of both temporary and permanent modular buildings, purchased or hired. It is split into seven lots spanning different types of application and value.

Up to 10 places may be awarded on each lot but there will be limitations on how many individual bidders can win in the categories that specify hire or purchase values. Bidders bidding for all three of these lots with XXX will be required to specify their order of preference if successful in all lots; no more than two of them will only be awarded to one bidder.

The lots cover:

- Purchase of education-related modular buildings (estimated value £522m);
- Purchase of healthcare-related modular buildings (estimated value £72m);
- Hire of education-related modular buildings (estimated value £44m);
- Hire of healthcare-related modular buildings (estimated value £24m);
- Hire or purchase a non-education- and non-healthcare-related modular buildings of capital cost up to £750k or hire cost of up to £150k (estimated value £182m);
- Hire or purchase of non-education- and non-healthcare-related modular buildings of capital cost from £750k to £3.5m or hire cost from £150k to £700k (estimated value £106m);
- Hire or purchase of non-education- and non-Healthcare-related modular buildings of capital cost greater than £3.5m or hire cost greater than £700k (estimated value £250m).

Further information is available via

The Construction Index (2018), 'Tendering begins for £1.2bn modular framework', *The Construction Index* [online]. Available at: [www.theconstructionindex.co.uk/news/view/tendering-begins-for-12bn-modular-framework](http://www.theconstructionindex.co.uk/news/view/tendering-begins-for-12bn-modular-framework) [accessed 26 November 2018].

[Back to top](#)

## **Royal Institution of Chartered Surveyors (RICS) 150<sup>th</sup> anniversary**

2018 marks the 150<sup>th</sup> anniversary of RICS. To celebrate this milestone, RICS have launched two initiatives that highlight the achievements of the profession that demonstrate its importance to society, both in the past and in the future.

In addition to this they have opened an exhibition at their HQ on Parliament Square, London. The exhibition – called ‘Shaping the World, Building the Future’ – offers a rare opportunity to see first-hand the positive impact and significant contribution that surveyors all over the world have made to society over the last 150 years. As part of the celebrations, their iconic HQ – built in 1899 – has been recreated in Lego.

RICS at 150 not only presents an opportunity to celebrate their past, but to help define the future. The Pledge150 campaign will see RICS partner with property industry charity LandAid, to provide 150 beds spaces to help fight youth homelessness.

Further information is available at:

Source: RICS (2018) ‘RICS 150<sup>th</sup> anniversary’ [RICS website > Home > News & Insight > Topics & Trends > RICS 150<sup>th</sup> anniversary] RICS [online]. Available at: [www.rics.org/uk/news-insight/topics-trends/rics-150th-anniversary/](http://www.rics.org/uk/news-insight/topics-trends/rics-150th-anniversary/) [accessed 26 November 2018], as well as an ‘Anniversary’ special issue [S.I.] of *Modus* mentioned later in this e-bulletin.

[Back to top](#)

## **New HMO rules come into effect in England on 1 October 2018**

- New regulations to bring mandatory licensing to all multi-occupied properties where there are five or more people, forming two or more separate households.

The main changes are:

- Altered definition of an HMO under the Housing Act 2004: for licensing purposes, from 1/10, an HMO will be any property occupied by five or more people, forming two or more separate households.

This contrasts with the existing HMO definition which is a property occupied by 5 or more people, forming two or more separate households and comprising three or more storeys.

- If you already have an HMO license under the current definition, this will continue to be valid until the licence expiration date (usually 5 years from date of issue). After the expiration you will need to apply for a new license as usual.
- If you currently let an HMO which didn’t previously require licensing but will do after the new order comes into effect later in the year (see publication date), then you will need to apply for a license through the local council.
- There is an important exception: if the property is in a purpose-built block of flats comprising 3 or more units
- Regulation 2 introduces minimum room standards for those properties falling within the scope of mandatory licensing

The proposals will prohibit landlords from letting rooms to a single adult where the usable floor space is less than 6.51sqm and 10.22sqm for a room occupied by two adults. It will be mandatory for an HMO licence to include a condition that states the maximum number of persons who may occupy each specific room in a property as sleeping accommodation.

### **In breach of licence condition**

Landlords will have to stop letting rooms that fall below the nationally prescribed standard. If they do not, then they will be in breach of licence condition and could be prosecuted by the local authority or alternatively receive a civil penalty under the new Housing and Planning Act 2016 provisions. Rooms below the prescribed standard that have previously been found suitable for occupation will no longer be capable of being let separately as sleeping accommodation by any person aged over 10 (4.64 for children under 10).

Rooms under 4.64sqm cannot be used for sleeping. Floor area under a height standard of 1.5m is not included in the calculation.

- In the event of a breach of the minimum room size, new licenses granted after 1<sup>st</sup> October 2018 will contain a condition giving landlords 18 months to act.
- Note that landlords will also need to comply with the local council’s HMO licensing standards, which may involve making changes to comply with minimum room sizes, amenity standards (kitchen facilities, number of bathrooms etc.)



- Another condition of the licences will relate to refuse disposal and storage facilities, with minimum numbers of bins and storage facilities for waste expected to be set out by the government.

We welcome the upgrading of HMO standards but would caution that the introduction of minimum room sizing in particular, risks reducing capacity with potential knock-on effects on rent rises, as business plans are impacted. The Licensing of Houses in Multiple Occupation (Prescribed Description) (England) Order 2018 SI 2018/221 & The Licensing of Houses in Multiple Occupation (Mandatory Conditions of Licenses) (England) Regulations 2018 SI 2018/616 can be read on **Gov.UK**

For further information on this, please visit:

GOV.UK, Ministry of Housing, Communities and Local Government (2018) Guidance: *Houses in multiple occupation and residential property licensing reform: guidance for local housing authorities*, [online], 20 June. Available at: [www.gov.uk/government/publications/houses-in-multiple-occupation-and-residential-property-licensing-reform-guidance-for-local-housing-authorities](http://www.gov.uk/government/publications/houses-in-multiple-occupation-and-residential-property-licensing-reform-guidance-for-local-housing-authorities) [accessed 26 November 2018]

Source: RICS (2018), 'New HMO rules come into effect in England on 1 October 2018' [RICS website > Home > News & Insight > Latest news > New HMO rules come into effect in England on 1 October 2018] RICS [online], 8 August. Available at: [www.rics.org/uk/news-insight/latest-news/news-opinion/new-hmo-rules-come-into-effect-in-england-on-1-october-2018/](http://www.rics.org/uk/news-insight/latest-news/news-opinion/new-hmo-rules-come-into-effect-in-england-on-1-october-2018/) [accessed 26 November 2018].

[Back to top](#)

## **BCIS Schedules of rates updated for 2019**

- The latest BCIS review of construction resource costs shows that costs have generally risen between 1.5% to 3.5% over the last 12 months, however the picture is not the same across all trades.

The costs of woodwork, plumbing and mechanical and electrical installations have risen by an average of 6% in the same period. This underlines the importance of using the most up-to-date datasets to ensure that your estimates are accurate.

The BCIS resource datasets have been completely revised and updated for 2019 to include all recent changes to wage rates, plant and materials prices, revisions to adjustment factors and a range of new items. Pricing information is based on 2<sup>nd</sup> quarter 2018. They are published in the following data sets:

- BCIS Comprehensive majors works 2019 (36<sup>th</sup> edition)
- BCIS Comprehensive minor works 2019 (36<sup>th</sup> edition)
- BCIS Alterations & refurbishment 2019 (24<sup>th</sup> edition)

The BCIS major works estimating dataset focuses predominantly on large 'new build' projects with a value around £3.5 million, reflecting the economies of scale found in these types of scheme. The BCIS minor works estimating dataset focuses on small to medium sized 'new build' projects, around £1 million in value, reflecting the increase in costs brought about by reduced output, lower discounts, and increased carriage and supervision.

### **Additions to the datasets**

Several items have been added to both datasets, including:

- New items in the roofing, gutter and flashings section
- Extended sections on lighting and luminaires
- Ductwork specialist rates now include detailed build-ups

The Alterations & refurbishment dataset focuses on small to medium sized projects, generally within an existing building, and reflects the increase in costs associated with more difficult access and the possibility of working in occupied premises.

New additions to the 2019 dataset include:

- An expanded section on lighting and luminaires and
- New items added to the roofing, gutter and flashings section

The online version of the 2019 datasets (Schedules of rates online) is easily accessible via computer, netbook or tablet. It allows subscribers ([of which UCEM is](#)) to create, save and reuse abstracts of an estimate or schedule of rates and has the option of adjusting rates for location and base date, as well as providing rate breakdowns.

Source: RICS (2018), 'BCIS Schedules of rates updated for 2019' [RICS website > Home > News & Insight > Latest news > BCIS Schedules of rates updated for 2019] RICS [online], 8 August. Available at: [www.rics.org/uk/news-insight/latest-news/news-opinion/bcis-schedules-of-rates-updated-for-2019/](http://www.rics.org/uk/news-insight/latest-news/news-opinion/bcis-schedules-of-rates-updated-for-2019/) [accessed 26 November 2018].

[Back to top](#)

## **Selecting benchmark building prices**

- The Building Cost and Information Service (BCIS) average prices section provides a statistical analysis of the costs projects, which can be used to provide a budget for a project. The costs can be adjusted for location and date.

Care should be taken in selecting an appropriate figure; the factors to consider are:

- The likely design and specification expectations of the clients – are they typical for the type of building or are they likely to be more or less complex?
- The current market in the locality – are the existence of other large projects likely to influence the demand and supply of labour and materials?
- The constraints of the site – will the physical characteristics of a particular site, its size, accessibility and topography influence the design or ease of construction.
- Any anticipated difference between the main contractor's preliminaries, overheads and profit for the current scheme compared with an average scheme.

The statistics presented for a building type may include mean, media, upper and lower quantiles, deciles and overall range. A scatter diagram and histogram can also be found where the sample is at least 10.

While an average figure is provided by the mean or median, it will usually be more appropriate to pick a cost from within the range, to reflect the project's likely position within the distribution of costs for a building type, by considering the factors listed above.

A **video** showing how to use the BCIS average prices sections is also available via -

RICS (2018) 'BCIS – Guide to project analyses', YouTube [video]. Available at:

[www.youtube.com/watch?v=IFkipnh10Qs&utm\\_source=ricsmembership&utm\\_medium=email&utm\\_campaign=bcisprojectanalysisvideo](http://www.youtube.com/watch?v=IFkipnh10Qs&utm_source=ricsmembership&utm_medium=email&utm_campaign=bcisprojectanalysisvideo) [accessed 26 November 2018]

**Please note:** UCEM Staff and Students have access to the **Building Cost Information Service (BCIS)** via the **VLE e-Library** and within **section 5 – Industry Information Sources**.

RICS (2018) BCIS Construction [RICS website > Home > Products > Data Products > BCIS Construction] RICS [online]. Available at: [www.rics.org/uk/products/data-products/bcis-construction/](http://www.rics.org/uk/products/data-products/bcis-construction/) [accessed 26 November 2018]

[Back to top](#)

## **Access to The Joseph Rowntree Foundation's latest research reports and comments relating to policy and practice**

- The Joseph Rowntree Foundation is an independent organisation working to inspire social change through research, policy and practice.

Their vision is for a prosperous UK without poverty where everyone can thrive and contribute. To achieve this, they work in partnership with private, public and voluntary sectors, as well as with individuals and communities. Using evidence and experience, they search for the underlying causes of social problems and demonstrate practical solutions in order to influence lasting change.

They **search** out the underlying causes of poverty and disadvantage and identify solutions – through research and learning from experience.

They **demonstrate** solutions – developing and running services, managing land and buildings, and supporting innovation.

They aim to **influence** positive and lasting change – publishing and promoting evidence and bringing people together to share ideas.

Their website is broken down into



Cities, Towns and Neighbourhoods covering:	Housing covering:	Income and Benefits covering:	People covering:	Society covering:	& Work covering:
Cities	Affordable housing	Debt	Active citizenship	Ageing society	Employment
Climate change	Care homes	Food	Ageing population	Austerity	Equality
Devolution	Home ownership	Living standards	Carers	Civic participation	Forced labour
Economic Development and Local Growth	Homelessness	Living wage	Child poverty	Crime / Anti-social behaviour	Labour markets
Flooding	Housing regeneration	Minimum income standards	Children	Faith and religion	Low pay
Loneliness	Housing market	Pay	Dementia	Government	Retirement
Neighbourhoods	Housing providers	Pensions	Disabled people	Immigration	Skills
Planning	Private rented sector	Personal Finance	Divorce / Family breakdown	Local government	Volunteering
Public Spaces	Retirement housing	Tax	Drugs / Alcohol	Localism	Working with employers
Regeneration	Social housing	Unemployment	Education	Riots	
Services and local government	Tenant participation	Universal credit	Ethnicity	Slavery	
Transport	Tenants		Gender	Social exclusion	
			Independent living	Voluntary sector	
			Lone parents		
			Mental health		
			Migration		
			Older people		
			Sexuality		
			Social care		
			Young people		

Joseph Rowntree Foundation website, About us [online]. Further information is available at:

[www.jrf.org.uk/about-us](http://www.jrf.org.uk/about-us) [accessed 26 November 2018]

[Back to top](#)

## **How could Brexit affect poverty in the UK?**

This briefing analyses Brexit's potential impact on families in poverty, along with other forces that could help or hinder efforts to solve UK poverty.

It is unacceptable that 14 million people are locked in poverty as Britain prepares for Brexit. The Brexit vote reflected deep-seated anger about economic marginalization, poverty and lack of opportunities, but it is highly unlikely that leaving the European Union (EU) will solve these problems.

This JRF analysis showed that:

- Child poverty is set to increase across the country, and to affect poorer areas of the UK worst. This rise predates the Brexit vote and is driven by domestic decisions about housing, social security and the labour

market. However, many of the worst-hit areas are also highly exposed to changes in trade with the EU and any loss of regional funding.

- There are increasingly strong risks of price rises, falls in real wages, lower employment and lower tax revenues as the UK-EU trading relationship becomes incrementally more distant.
- Poverty rates are not predicted to be greatly affected by Brexit; but this depends on future governments protecting low-income families from the effects of rising inflation by uprating benefits and tax credits to cover rising costs.
- Two years on from the vote (see publication date) to leave the EU, it is only right we unlock opportunities, so more families are not left behind. The UK Government must deliver more affordable housing, better jobs and an improved social security system to meet the expectations of those who voted to leave the EU. The time and energy being spent on Brexit must not reduce our capacity to deliver a country that works for everyone after Brexit.

Source: Barnard H, Heykoop L, and Kumar A (2018) 'How could Brexit affect poverty in the UK?' [online], 6 September 2018. Available at: [www.jrf.org.uk/report/how-could-brexit-affect-poverty-uk](http://www.jrf.org.uk/report/how-could-brexit-affect-poverty-uk) [accessed 26 November 2018]. **N.B.** Part of 'Solving poverty after Brexit'

#### **JRF Housing Related Links:**

Wright S, and Masters C (2018) 'Social Housing Green Paper: failing families on low income' [online], 14 August 2018. Available at: [www.jrf.org.uk/press/social-housing-green-paper-failing-families-low-incomes](http://www.jrf.org.uk/press/social-housing-green-paper-failing-families-low-incomes) [accessed 26 November 2018]

Brook P (2018) 'Life on a housing treadmill: struggling to make a home on a low income' [online], 30<sup>th</sup> April, JRF. Available at: [www.jrf.org.uk/blog/life-housing-treadmill-struggling-make-home-low-income](http://www.jrf.org.uk/blog/life-housing-treadmill-struggling-make-home-low-income) [accessed 26 November 2018]

Barnard H (2018) 'People on low incomes bear brunt of housing crisis: it's time to act' [online], 26 June 2018. Available at: [www.jrf.org.uk/blog/people-low-incomes-bear-brunt-housing-crisis-its-time-act](http://www.jrf.org.uk/blog/people-low-incomes-bear-brunt-housing-crisis-its-time-act) [accessed 26 November 2018]

Altair Consulting (2018) 'Housing and life experiences: policy development' [online], 30 April 2018. Available at: [www.jrf.org.uk/report/housing-and-life-experiences-policy-development](http://www.jrf.org.uk/report/housing-and-life-experiences-policy-development) [accessed 26 November 2018]

[Back to top](#)

### **Even the cheapest local homes 'out of reach for 40% of young adults'**

Around four in 10 young adults in England would not be able to buy one of the cheapest homes in their area even if they managed to save a 10% deposit, research has found. As long as they had a 10% deposit, in 1996 over 90% of 25 to 34-year-olds would have been able to purchase a house in their area if they borrowed four-and-a-half times their salary, the Institute of Fiscal Studies (IFS) said. But it found that by 2016, that proportion had fallen substantially.

By this time, even with a 10% deposit, only around 60% of young adults would have been able to borrow enough to buy even one of the cheapest homes in their area – leaving properties out of reach for the remaining 40%.

In London, only around a third of young adults with a 10% deposit could borrow enough to buy one of the cheapest homes in their local area, researchers found. Back in 1996, if they had borrowed four-and-a-half times their salary, 90% of young adults in London could have done so.

The findings, looking at how barriers to home ownership have changed over the past 20 years, are contained in a chapter of the IFS Green Budget 2018 – which will be publishing on Tuesday 9<sup>th</sup> October 2018.

The IFS said the extent to which property prices have raced ahead of incomes has made it increasingly hard to raise a deposit for a home. In 2016, around half of young adults would have needed to save more than six months of their post-tax income to raise a 10% deposit on one of the cheapest properties in their area, it said. Just one in 10 would have had to do this in 1996, according to the calculations.

The research also found that after adjusting for inflation, average house prices in England have surged by 173% since 1997, compared with an increase in young adults' real incomes of just 19%. Polly Simpson, a research economist at the IFS and a co-author of the research, said: "Big increases in house prices compared to incomes over the last two decades mean that it is increasingly difficult for young adults to get on the housing ladder, even if they do manage to save a 10% deposit.

“Many young adults cannot borrow enough to buy a cheap home in their area, let alone an average-priced one. These trends have increased inequality between older and younger generations, and within the younger generation too.”

The IFS argued that easing planning restrictions would increase home ownership and reduce both property prices and rents.

Jonathan Cribb, another author of the research and a senior research economist at the IFS said: “The most economically productive and wealthiest parts of England – London and the South East – are those with the most restrictive planning constraints.

“It is unsurprising that these areas have also experienced the biggest house price increases. Increasing the responsiveness of construction to house prices is a necessary part of the solution, particularly in these areas.

“Unlike other policy alternatives, this would both help reduce house prices, boost home ownership and reduce rents, benefiting renters, some of whom will never own.”

A spokesman for the Ministry of Housing, Communities and Local Government, said: “This government is committed to help more people get on the housing ladder and last year saw the highest number of first time buyers for over a decade.

“Through our Help to Buy scheme and the cut in stamp duty for first time buyers we are helping restore the dream of home ownership for a new generation.

“Over 1.1m properties have been built since 2010 and our targeted investment and planning reform will deliver more of the homes communities need.”

Source: ITV Report (2018) ‘Even the cheapest local homes ‘out of reach for 40% of young adults’ [online], 8 October 2018. Available at: [www.itv.com/news/2018-10-08/even-the-cheapest-local-homes-out-of-reach-for-40-of-young-adults/](http://www.itv.com/news/2018-10-08/even-the-cheapest-local-homes-out-of-reach-for-40-of-young-adults/) [accessed 26 November 2018]

[Back to top](#)

## **Home Builders Federation (HBF) Reports and Housing Calculator**

The impact of the housing crisis is now being truly understood at both local and national level with considerable focus now on political parties’ policies for addressing the chronic shortage of housing that has developed over several decades.

HBF Reports and Housing Calculator provided within the below mentioned website incl.

- Maximising the private sector’s contribution to solving our housing undersupply crisis – Following Greg Clark MP’s appointment as Secretary of State for Communities and Local Government, HBF submitted a policy paper, *Maximising the private sector’s contribution to solving our housing undersupply crisis* which outlined a series of recommendations and areas requiring immediate attention by the new Secretary of State (see below mentioned publication date).
- Solving England’s housing supply crisis – To read a more in-depth overview of the conditions required to dramatically increase the level of private house building and HBF’s suggestions on how to achieve this.
- Economic Footprint of House Building in the UK – To help inform our activity at the General Election and beyond, in early 2015 HBF commissioned Nathaniel Lichfield & Partners to conduct an extensive analysis of the economic and social benefits associated with house building, and the
- **Housing Calculator** – Estimate the potential benefits of increasing house building.

Home Builders Federation (HBF), Policy and Activities, HBF Reports and Publications [online]. Further information is available at: [www.hbf.co.uk/reports/](http://www.hbf.co.uk/reports/) [accessed 26 November 2018]

[Back to top](#)

## **UK Property Research – Savills latest research incl.**

### **Valuing Britain 2018**

- What does the value of Britain’s housing stock mean for investors and landlords

**Value of the UK’s housing stock = £7.14 trillion** – This would buy you Google, the International space station, the top 20 UK housebuilders, all the oil left in the North Sea, all bitcoin circulation, Amazon, Apple, Coca-Cola, McDonald’s all companies in the FTSE100 and FTSE250, the top 15 mortgage lends and the English Premier League.

This and more facts and figures can be found at:

Savills Research (2018) *Valuing Britain 2018* [online]. Available at: [www.savills.co.uk/valuing-britain/index.html](http://www.savills.co.uk/valuing-britain/index.html) [accessed 26 November 2018]

Savills Research (2018) 'Research' [Savills Home > Insight & Opinion > Property Research > Research] Savills [online]. Available at: [www.savills.co.uk/services/research.aspx](http://www.savills.co.uk/services/research.aspx) [accessed 26 November 2018]

## **Residential Research**

### **Publication | Spotlight: UK Waterfront**

- Coastal properties have always attracted a wide spectrum of buyers

#### **Introduction**

The coastline of Great Britain, totaling a distance of 17,820 kilometers, is extremely diverse and is made up of many picturesque towns and villages, vast open beaches, dramatic cliff tops, estuaries, marinas and bays. Traditionally, the coastline was used as a great source of trade for the country, as marine transport was once the only way to reach the island.

Today, many aspire to buy by the sea for its beautiful scenery, unique lifestyle and plentiful leisure offerings. The type of property available along the coast is just as varied, ranging from fisherman's cottages to beachfront mansions and modern new-build developments.

#### **A shore thing**

As a result of the diverse range of property types on offer, living by the sea appeals to a wide range of buyers. The vast majority of prime waterfront buyers are domestic, with only 8% coming from overseas. Of those moving from within the UK, 70% are buying their main residence. This means the prime coastal markets have been less impacted by the 3% stamp duty surcharge, introduced in the spring of 2016, than was expected. Even in the South West, which is seen as a hotspot for second home owners on the coast, those buying their main residence make up 65% of the prime markets.

Coastal properties often appeal to empty nesters, who are looking to downsize or relocate after children have left home. Just over half of Savills waterfront buyers in the past two years have been aged over 50, and this figure increases to almost three quarters in the South West. Over half of them are also buying with cash which means the prime coastal markets have been less affected by mortgage constraints in recent years.

Whilst coastal properties will often be sold to local buyers looking to upsize or downsize within these areas, living by the sea also attracts buyers from further afield, particularly those moving from London in search of a complete lifestyle relocation.

#### **The cost of the coastline**

Those buying homes in close proximity to the coast are willing to pay over the odds for the benefits. Second hand property located within 100m of the coastline in England and Wales costs an average of 13% more than that located up to 1km further inland. However, the premium for front line positions with direct views of the water can be considerably more.

The premium in Wales is higher than in England with buyers spending on average 21% more for properties on the coast. This is due to the popularity of locations such as Conwy in the north, as well as the affluent seaside towns of Penarth in The Vale of Glamorgan and Tenby in Pembrokeshire.

The most expensive coastline can be found in South West England where the average second hand sale price of properties within 100m of the sea is £317k, 11% higher than their more inland counterparts. For those looking to buy in the well-established prime markets of Sandbanks and Canford Cliffs, this figure exceeds £1 million.

Cornwall is home to some of the most recognised coastal hotspots in England. Property in Rock, Padstow and St Ives on the water's edge can often be double the price of that further from the shore. Although on average the Devon cost is lower in value than Dorset and Cornwall, you can expect to pay more on the south coast than the north, due to the popularity of the prime market of Salcombe, Topsham and Dartmouth.

Further information and access to the research in full is available @

Clacy F, Savills Research and articles (2018), 'Spotlight: *UK Waterfront*' [online], 15 November. Available at: [www.savills.co.uk/research\\_articles/229130/268314-0](http://www.savills.co.uk/research_articles/229130/268314-0) [accessed 26 November 2018]

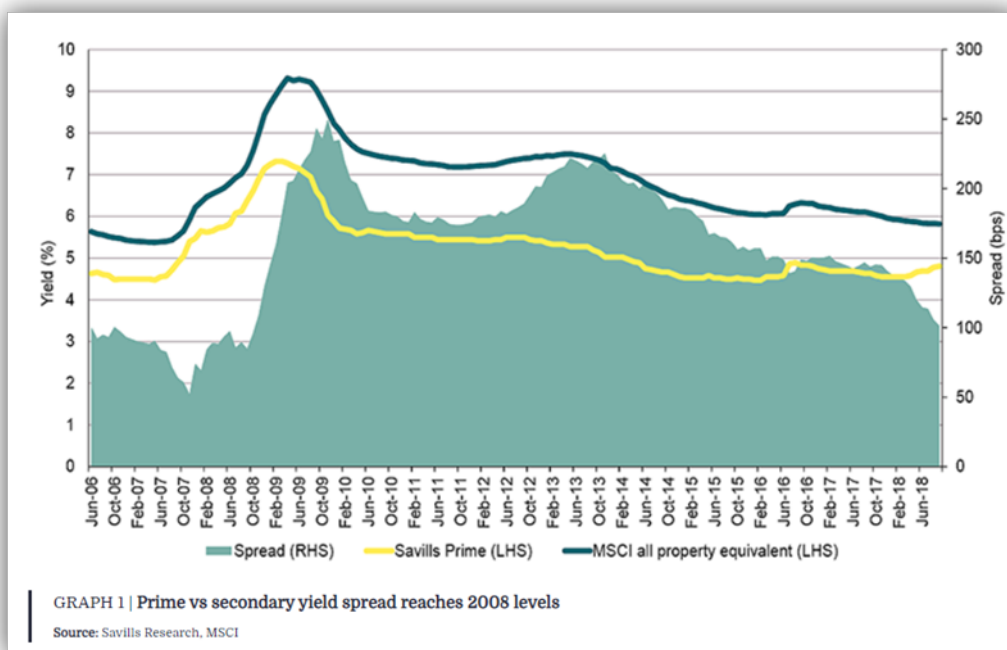
Savills Research (2018) 'Research' [Savills Home > Insight & Opinion > Property Research > Research] Savills [online]. Available at: [www.savills.co.uk/services/research.aspx](http://www.savills.co.uk/services/research.aspx) [accessed 26 November 2018]

[Back to top](#)

- Fourth outward shift of yields in 2018 as spread between prime and secondary tightens

#### Fourth outward shift in 2018

- The average yield across all thirteen sectors is currently 4.63%. This is the fourth shift outwards of the Savills prime average yield this year (2018) with the yield returning to August 2017 levels. This remains however 41 bps lower than the long-term average of 5.22%
- The shift outwards this year has been driven entirely by sentiment changes within the retail sector. Indeed, all retail sub sectors bar food stores have seen yields shift outwards by 50bps.
- Whilst yields for industrial and distribution property have continued with their downward trajectory the tightening has not been enough to alter the upward path of Savills prime yield.
- With four of the five retail segments continuing to display upward pressure on their yields and no sectors pushing inwards we expect the Savills prime yield to continue edging outwards.
- Perhaps more noteworthy however has been the shift in the prime vs secondary yield spread which now stands at 101 bps, reflecting a shift inwards of 43 bps over the last twelve months.
- Against a long-term average of 159bps the spread is now at its lowest level since October 2008.
- With the MSCI all property equivalent yield being a lagging indicator it would be safe to assume the spread between prime and secondary will continue to close over the coming months until current investor sentiment related to retail filters through into regular valuations.



Source: Mofid K, and Gulliford J, Savills Research and articles (2018), 'Publication: *UK Commercial Market in Minutes*' [online], 31 October. Available at: [https://www.savills.co.uk/research\\_articles/229130/268287-0](https://www.savills.co.uk/research_articles/229130/268287-0) [accessed 26 November 2018]

- Whilst the sentiment in the retail sector has impacted pricing it doesn't yet seem to have played out in the same way in terms of investment volumes as year on year the retail sector is down 22% compared to 34% in the industrial sector, a trend examined in the below-mentioned source.

Further information and access to the research in full is available @

Mofid K and Gulliford J, Savills Research and articles (2018), 'Publication: *UK Commercial Market in Minutes*' [online], 31 October. Available at: [www.savills.co.uk/research\\_articles/229130/268287-0](https://www.savills.co.uk/research_articles/229130/268287-0) [accessed 26 November 2018]

Savills Research (2018) 'Research' [Savills Home > Insight & Opinion > Property Research > Research] Savills [online]. Available at: [www.savills.co.uk/services/research.aspx](https://www.savills.co.uk/services/research.aspx) [accessed 26 November 2018]

[Back to top](#)

## Rural Research

### Publication | Spotlight: Estate Benchmarking

- There are many challenges ahead for owners of rural estates, which means being able to benchmark performance against others remains essential.

#### Facing up to change

In England, the recent publication of the Agriculture Bill heralds the start of the Government's clarification of the Impact of Brexit on the farming sector.

From the information currently available we know there is significant disruption to come in the way in which land is farmed and managed, and we anticipate a major shift in the occupation of land as a result.

While the Bill will not be enacted in Scotland, following its publication in October the Scottish Affairs Committee launched an inquiry to investigate how any post-Brexit agricultural system, in conjunction with Land Reform, can meet the needs of Scotland's farmers and crofters. We eagerly await the outcome of the inquiry to understand to what extent policy will be influenced by Westminster.

Despite the differing policies north and south, opportunities will undoubtedly surface, but meanwhile the resilience of rural estates will be tested, and in particular those that are heavily exposed to farming.

As we navigate our way through this period of change, understanding the performance of rural businesses and being able to benchmark them against others remains essential in determining strategy and actions needed to meet the challenges ahead. Our *2018 Estate Benchmarking Survey* confirms businesses are continuing to operate dynamically with all asset classes being worked hard.

Across the sectors reported, gross incomes continue to improve, with agriculture and residential property remaining the bedrock of the rural estate, owners have been giving renewed focus to opportunities for diversification with many privately-owned estates looking to now trading businesses as a source of additional revenue and as a means of managing down the risk of the impact of Brexit on farm incomes.

Concurrently, one temptation may be to cut back on property repairs, which currently stand at 23% of gross income. However, history has shown that such an approach will only serve to create a legacy of lack of repair, which will impact on future performance due to a lack of demand for a poor product and the spiraling cost of overcoming years of no repairs. It is essential to keep residential stock at a level with market expectations. There are real challenges ahead, which means estate owners will need to watch closely the impact of legislative and regulatory change on their enterprises and the impact they have on costs and associated income. Resilient estates will need to adapt and face up to change with a positive attitude whilst navigating the choppy post-Brexit waters ahead.

Further information, and articles from publication '*Market in Minutes: Agricultural Rents*', and access to the research in full is available @

Bailey I, Baxter J [et al.] (2018), Research and articles, Publication: '*Spotlight: Estate Benchmarking*' [online], 6 November. Available at: [www.savills.co.uk/research\\_articles/229130/266087-0](http://www.savills.co.uk/research_articles/229130/266087-0) [accessed 26 November 2018]  
Savills Research (2018) 'Research' [Savills Home > Insight & Opinion > Property Research > Research] Savills [online]. Available at: [www.savills.co.uk/services/research.aspx](http://www.savills.co.uk/services/research.aspx) [accessed 26 November 2018]

[Back to top](#)

## Brexit Research

### Brexit Research

- This section of Savills Research has web-pages dedicated to the implications for different sections of the UK property market of the European Union (EU) referendum result.

#### Latest publications incl.

- Brexit Briefing #2: The Impact on the Central London Office Market – Market stabilising in a post-referendum environment
- Brexit Briefing: Food and Farming – Navigating through the complexity of the post-Brexit landscape: The impact of the farming sector of leaving the EU is likely to be high
- Challenges and opportunities in the next decade – What part will Brexit, housing policy and industry innovation play in meeting the nation's housing challenges?

#### Trending articles incl.



- The Impact on the central London office market – Uncertainty will be a drag on activity, but London still looks comparatively attractive
- The Impact on Global Real Estate – Reassessing risk and opportunity following Britain’s decision to leave the EU
- The Impact on the UK Logistics Market – Robust occupier take-up and low vacancy rate will keep sector attractive for investors

Savills Research (2018) *Brexit Research* [online]. Available at: [www.savills.co.uk/insight-and-opinion/research.aspx?rc=United-Kingdom&p=&t=Brexit&f=date&q=&page=1](http://www.savills.co.uk/insight-and-opinion/research.aspx?rc=United-Kingdom&p=&t=Brexit&f=date&q=&page=1) [accessed 26 November 2018]  
 Savills Research (2018) ‘Research’ [Savills Home > Insight & Opinion > Property Research > Research] Savills [online]. Available at: [www.savills.co.uk/services/research.aspx](http://www.savills.co.uk/services/research.aspx) [accessed 26 November 2018]  
[Back to top](#)

---

## Access to the House of Commons Library, Research briefings that impact on our industries incl.

### The Construction Industry: statistics and policy

- **Key statistics on the construction industry – employment, new orders, output. Also, construction sector policy initiatives.**

In 2014 the construction industry in the UK contributed £103 billion in economic output, 6.5% of the total.

2.1 million jobs or 6.25% of the UK total were in the construction industry in Q 2015.

The construction industry, particularly house building, fared badly during the recession. Output in the construction sector fell faster than the whole economy in 2008. 2009 saw the sector recover faster than the economy, and 2010 and 2011 saw broadly flat growth, followed by another contraction in 2012 and partial recovery through 2013.

The Coalition Government’s strategy paper on the construction industry is *construction 2025*, published in July 2013.

The construction industry was also highlighted in the March 2011 *Plan for Growth*.

Rhodes C (2015), *Construction industry: statistics and policy*, House of Commons Library, Briefing Paper Number 01432, 6 October 2015 [online] and available at:  
<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01432> [accessed 26 November 2018]

[Back to top](#)

### Related Links/Source of further information –

### Latest research briefing papers from the House of Commons Library

The House of Commons Library produces research briefing which provide in-depth and impartial analysis of all major pieces of legislation, as well as many areas of policy, or cover frequently asked questions and topical issues.

The following might be of interest as they impact on our industries:

#### Under Housing and planning, 2018 -

**Housing Market: Key Economic Indicators** [13 June 2018] [online]. Further information is available at:  
<https://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02820> [accessed 26 November 2018]

**Tackling the under-supply of housing in England** [31 May 2018] [online]. Further information is available at:  
<https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7671> [accessed 26 November 2018]

**House prices (UK): Social Indicators page** [25 May 2018] [online]. Further information is available at:  
<https://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN02645> [accessed 26 November 2018]

**Leasehold and commonhold reform** [29 May 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8047> [accessed 26 November 2018]

**Grenfell Tower Fire: Background** [15 May 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8305> [accessed 26 November 2018]

**Grenfell Tower fire: Response and tackling the fire risk in high rise blocks** [1 August 2017] [online]. Further information is available at: <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7993> [accessed 26 November 2018]

**What is affordable housing?** [14 November 2017] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7747> [accessed 26 November 2018]

**Brexit: a reading list of post-EU Referendum publications by Parliament and the Devolved Assemblies** [8 August 2017] [online]. Further information is available at <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7912> [accessed 15 November 2018].

**Topics/Subject terms incl.** Administration of justice; Agriculture and environment; Animals; Armed forces; Asylum; Aviation; Central government; Civil law; Climate change; Common Agricultural Policy; Companies; Consumers; Criminal law; Data protection; Defence equipment and procurement; Defence policy; Devolution; Economic policy; Economic situation; Energy; Environmental protection; Equality; EU- European Union budget; EU external relations; EU institutions; EU law and treaties; Europe; Farmers; Financial institutions; Financial services; Fisheries; Food; Forestry; Genetics; Health services; Higher education; Housing; Human rights; Immigration; Incomes and poverty; Industry; Information technology; International development; International economic relations; International organisations; International politics and government; International trade; Legislative process; Local government; Medicine; Middle East; North America; Overseas territories; Parliament; Pensions; Railways; Research and innovation; Roads; Russia; Science; Terrorism; Unemployment; and Water.

**Key Issues 2017** [26 June 2017] [online]. Further information is available at: <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8021> [accessed 26 November 2018]

**A short history of rent control** [30 March 2017] [online]. Further information is available at: <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN06747> [accessed 26 November 2018]

**Under Education, 2018 –**

**16-19 education funding in England since 2010** [13 June 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN07019> [accessed 26 November 2018]

**Safeguarding in English schools** [5 June 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8023> [accessed 26 November 2018]

**The Office for Students** [5 June 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8294> [accessed 26 November 2018]

**Higher education in funding in England** [19 January 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7973> [accessed 26 November 2018]

**Higher education student numbers** [7 February 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7857> [accessed 26 November 2018]

**T Levels: Reforms to Technical Education** [30 May 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7951> [accessed 26 November 2018]

**Under Energy and environment, 2018 –**

**Brexit: a reading list of post-EU Referendum publications by Parliament and the Devolved Assemblies** [12 June 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7912> [accessed 26 November 2018]

**Brexit Glossary** [13 March 2017] [online]. Further information is available at: <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7840> [accessed 26 November 2018]

**Brexit and air quality** [13 June 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8195> [accessed 26 November 2018]

**Public ownership of industries and services** [13 May 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8325> [accessed 26 November 2018]

**Brexit: new guidelines on the framework for future EU-UK relations** [19 April 2018] [online]. Further information is available at: <https://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-8289> [accessed 26 November 2018]

**Legislating for Brexit: EU directives** [13 June 2017] [online]. Further information is available at: <http://researchbriefings.parliament.uk/ResearchBriefing/Summary/CBP-7943> [accessed 26 November 2018]

#### **Archive of key topic areas incl.**

- **Housing Market: Key Economic Indicators**
- **Implementation of Sustainable Development Goals**
- **Flood insurance**
- **Planning: change of use**
- **Planning Reform Proposals**
- **House Prices: Social Indicators**
- **Enterprise Zones, and**
- **Neighbourhood Planning**

*Source:* The above-mentioned research briefings/papers are published on the Parliament **website** and are available to MPs and to members of the public, [www.parliament.uk](http://www.parliament.uk), Parliamentary business, Publications and records, **Research briefings** [online]. Further information is available at: <http://researchbriefings.parliament.uk/> [accessed 26 November 2018]

- This page provides access to research briefings produced by the House of Commons Library, the House of Lords Library and the Parliamentary Office of Science and Technology (POST). You can filter the research briefings by date, type, or one of 350 topics. Pick your options from the dropdown menus provided.

#### **Related Link:**

*Source:* Heritage Update e-Bulletin [online], Issue **No 322**, 29 April 2016, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018]

[Back to top](#)

---

## **CIOB (Chartered Institute of Building) portal on government policy – [Policy latest](#)**

The quality of the built environment affects every member of society. As a professional body that represents the leaders and managers who work at every stage of the lifecycle of a construction project, the Chartered Institute of Building seek to influence government, industry, and other stakeholders around the world with the aim of promoting the construction management discipline and addressing the challenges that the sector faces.

Sections of the CIOB Policy and Public Affairs website incl.

- **Consultations** - view latest responses to government and industry consultations and committees
- **Research** – The CIOB carry out industry-leading research on topics such as professionalism, migration and productivity
- **Resources** – Navigate the vast array of government documentation
- **Press** – Here you will find blog posts, CIOB media mentions and all the latest news.

As of [7 November 2018](#), Policy latest incl.

- **Construction and the Modern Slavery Act: Tackling Exploitation in the UK** (see below)
- **CIOB, RIBA and RICS collaborate on initiative to improve building quality** (see below), and
- **Help shape the CIOB response to industry consultations** (see below).

*Source:* CIOB - Chartered Institute of Building's Policy and Public Affairs website [online]. Further information is available at: <http://policy.ciob.org/> [accessed 26 November 2018]. [Back to top](#)

## Construction and the Modern Slavery Act: [Tackling Exploitation in the UK](#)

### Summary

- CIOB is urging the UK contractors to face up to the significant human rights risks in their supply chains, with the launch of a new report that finds both British and foreign workers at risk of exploitation.

***Construction and the Modern Slavery Act, tackling exploitation in the UK*** is published as the Gangmaster and Labour Abuse Authority (GLAA) and National Crime Agency (NCA) jointly lead national enforcement campaign involving police forces and other agencies aimed at tackling labour exploitation. NCA analysis has identified construction as one of the most common sectors for labour exploitation in the UK.

Criticising the industry's slow response to the Modern Slavery Act, CIOB's report highlights the aggressive business models that are creating an environment for unethical procurement and recruitment practices, and the systemic auditing failures that are allowing criminals to infiltrate major projects undetected.

Problems are set at the top of supply chains with lowest cost tendering, abuse of the retentions system and late payment pricing out ethical practice. The situation is creating an imbalance of power that leaves all nationalities vulnerable to exploitation. Illegal activities such as blacklisting are also believed to be continuing, despite recent high-profile court cases.

Major contractors in construction typically have long and fragmented supply chains, with little visibility beyond tiers one or two. They are also heavily reliant on temporary migrant labour, a significant indicator of risk. Nevertheless, the report found examples of complacency and disbelief that major projects were vulnerable to criminal infiltration and human trafficking. This contrasted with incidents of modern slavery being found on major UK infrastructure programmes, PFI hospital projects, power plants, recycling centres, renovation projects, demolition sites and local authority schemes.

The report highlights:

- How industry is conflating immigration checks with modern slavery checks. This is ineffective because many people trapped in modern slavery have a legitimate right to work in the UK.
- Severe weaknesses in commercial auditing models, with auditors dis-incentivised to report problems to the police.
- Poor transparency in supply chain reporting standards, with many eligible companies failing to produce a modern slavery report in the first annual reporting cycle. A significant number of published statements do not follow minimum legal requirements, including being visible on the company homepage and being signed off by a board director.
- A tendency for companies to water down their modern slavery statements to remove mention of risk, against the spirit of the Modern Slavery Act.
- Examples of sharp practice, with major players defaulting to legal compliance exercises that push responsibility onto their less well-resourced suppliers. This is also against the spirit of the legislation.

***Construction and the Modern Slavery Act*** includes interviews with a number of leaders and influencers, including:

- Independent anti-slavery commissioner Kevin Hyland OBE
- The late Paul Broadbent, former chief executive of the Gangmasters and Labour Abuse Authority (GLAA)
- Leading barrister Caroline Haughey QC
- Chief constable for Devon and Cornwall Police and national policing lead for modern slavery Shaun Sawyer
- Justine Currell, executive director of Unseen and the Modern Slavery Helpline.

The report explores the legal, investor and social pressures for driving change. It also highlights examples of industry best practice as well as platforms for information sharing, such as the GLAA's construction forum. Strategies for rehabilitating survivors of slavery are included through the Co-op Group's Bright Future programme.

CIOB is calling for a new industry narrative: asking contractors to acknowledge that every supply chain is at risk and collaborate more widely to combat crime. It is launching a **Routemap to Fair Business** which sets out steps for raising standards for all workers and suppliers, encouraging a more proactive approach to tackling systemic issues.

Further information and link to the CIOB Manifesto to read online and download is available at:

Source: Crates E (2018), '*Construction and the Slavery Act: Tackling Exploitation in the UK*' [online], CIOB Policy & Public Affairs Portal, 14 May 2018. Available at: <https://policy.ciob.org/research/construction-and-the-modern-slavery-act-tackling-exploitation-in-the-uk/> [accessed 26 November 2018]. [Back to top](#)

## CIOB, RIBA and RICS collaborate on initiative to improve building quality

The Chartered Institute of Building (CIOB) Past-President Paul Nash, Royal Institute of British Architects (RIBA) President Ben Derbyshire, and Royal National Institution of Chartered Surveyors (RICS) President John Hughes have signed the 'Building in Quality: Joint Memorandum of Understanding' (JMU).

As part of this agreement, the partners launched an industry-wide consultation on a proposed system for establishing a chain of custody for quality in construction projects, on the RIBA stand at Ecobuild.

Led by the RIBA's Client Liaison Group, which includes CIOB and RICS representation, the 'Building in Quality' initiative aims to encourage better collaboration, improved procurement, and to introduce new methods to improve the quality of the built environment for the benefit of the society.

The consultation process will run from April until end of June 2018 leading to a launch of the 'Quality Risk Tracker: setting up a chain of custody' at UK Construction Week from 9-11 October 2018. Parties wanting to participate in the consultation should go to our Building in Quality consultation page to register their interest. Further information is available at

RIBA (2018) 'Building in Quality' consultation – tell us your views' [online]. Available at:

[www.architecture.com/knowledge-and-resources/knowledge-landing-page/building-in-quality-consultation](http://www.architecture.com/knowledge-and-resources/knowledge-landing-page/building-in-quality-consultation)

[accessed 26 November 2018]

Further information is also available at

Source: CIOB (2018), 'CIOB, RIBA and RICS collaborate on initiative to improve building quality' [online], CIOB Policy & Public Affairs Portal. Available at: <https://policy.ciob.org/research/social-mobility-construction-building-routes-opportunity/> [accessed 26 November 2018]

[Back to top](#)

## [Help shape the CIOB response to industry consultations](#)

- Covering topics including building regulations, labour market enforcement and leasehold reform, by clicking on the link below you can have your say and shape the CIOB's response.

The CIOB is regularly invited to advise government departments, committees, political groups and other stakeholders on a multitude of issues related to the construction sector and the wider built environment.

Consultations and written evidence to committees are a key component of the policy-making process. One of the main ways CIOB engage with government and influence policy is by responding to these proposed industry changes through a combination of **drawing on CIOB existing research** alongside input from expert CIOB members. From the below link you can access a list of current consultation that CIOB are seeking input on, which are highlighted in green, as well as an archive of all previous CIOB consultation responses.

### **Related Link:**

CIOB, Policy & Public Affairs, Research [online]. Available at: <https://policy.ciob.org/research/> [accessed 26 November 2018]

Source: CIOB [n.d.], Policy and Public Affairs – Consultations [online]. Available at: <https://policy.ciob.org/consultations/> [accessed 26 November 2018]

[Back to top](#)

## **Apprenticeships –**

### [Success for UCEM's first two apprentices](#)

Two young women from Reading have become the first employees to complete apprenticeships at UCEM. Student Experience Administrator, Georgia Haines, and Apprentice Administrator, Nicole Hattoe, completed their year-long apprenticeships last month.

Georgia and Nicole, who are 21 and 20, respectively, both enrolled on the Level 3 Business Administration apprenticeship which is run by QA Apprenticeships. UCEM provided the supporting employment as part of the apprenticeship which saw Georgia and Nicole work for the higher education institution four days a week with one day allocated towards their studies.



Reflecting on the apprenticeship, Georgia said: “The apprenticeship overlapped with work. You choose your modules at the start to fit in with your job role. Finding out why things are done in certain ways was very beneficial. I learnt more about the job role through the apprenticeship. The apprenticeship was a great way to kick-start my career.”

Nicole added: “The apprenticeship was great because you get experience and education, and no debt!”

Line managers, Sophie Elliott (Director of Admissions and Registration) and Sue Squires (Administration Team Leader – Apprenticeships), worked closely with Georgia and Nicole, respectively, to ensure they were supported with their studies. Nicole commented: “She [Sue] was helpful and supportive. She allowed me extra time to complete apprenticeship tasks [away from the day job].”

Georgia added: “She [Sophie] was great, If I was struggling, she would help me. Everyone at UCEM has been very helpful.”

Georgia will now embark upon a two-year Level 4 Project Management apprenticeship at UCEM and Nicole is looking to take on a full-time role within UCEM’s Student Services Department.

UCEM Principal, Ashley Wheaton, commented: “I would like to congratulate Georgia and Nicole for completing their studies and becoming UCEM’s first two apprentices. As the largest provider of surveying degree apprenticeships, we are passionate advocates of the apprenticeship agenda and it would be remiss of us not to practise what we preach.

“I hope we can support many more young apprentices in the future which will benefit both ambitious, career-driven school leavers and UCEM alike.”

Source: UCEM (2018) ‘Success for UCEM’s first two apprentices’ [UCEM Website > Home > News & Events > News > Success for UCEM’s first two apprentices] UCEM [online]. Available at: [www.ucem.ac.uk/news-events/news/success-for-ucems-first-two-apprentices/](http://www.ucem.ac.uk/news-events/news/success-for-ucems-first-two-apprentices/) [accessed 26 November 2018]

[Back to top](#)

#### Related Link:

### **UCEM Apprenticeship programme – Development talent for your business**

Further information is available via the UCEM Website [online] and available @ [www.ucem.ac.uk/development-talent-for-your-business/apprenticeships/](http://www.ucem.ac.uk/development-talent-for-your-business/apprenticeships/) [accessed 26 November 2018]

[Back to top](#)

### **Need to know: Apprenticeship levy FAQ**

- Understanding the funding mechanism for training can be a complex affair – so how does the government’s new apprentice training levy fit into the equation? Here’s what we know so far.

- **What is the Apprenticeship Levy?**

The Apprenticeship Levy is a new levy introduced by the government on all employers with a pay bill of more than £3m per year. It is intended to encourage employers to invest in apprenticeships, to increase the quality and quantity of apprenticeships across the whole of the economy.

The Levy was announced in the 2015 Summer Budget and will come into force in April 2017 at a rate of 0.5% of an employer’s wage bill, paid through PAYE. It is expected to raise £3bn a year by 2020.

- **How many construction firms will need to pay the Apprenticeship Levy?**

Based on current data, about 1% of employers registered with the Construction Industry Training Board (CITB), about 600 companies will need to pay. However, the apprenticeship reforms will impact on construction employers of all sizes.

- **What will employers get back from the Levy?**

Employers in England will be able to reclaim their contributions as digital vouchers to pay for apprenticeship training.



This voucher system will not apply in Scotland, Wales and Northern Ireland. The devolved governments in those countries will receive additional funds in proportion to the amount spent on training in England.

Employers that pay the Apprenticeship Levy will also receive a 10% top-up from the government towards their total monthly contributions in England. So, for every £1 an employer pays in, they can draw down £1.10 to spend on apprenticeship training.

#### Other question raised incl.

- The main details regarding funding
- How will the proposed funding bands work? Will they work for construction?
- What's the co-investment rate?
- What are the new standards going to look like?
- How will the new levy work with the current CITB levy?
- Where can I go for more information?

Further information can also be accessed via

#### Related Links:

Further information incl. **Learning from the levy** can be found at: **Apprenticeship levy: making the most of it** Husband S (2018) 'Apprenticeship levy: five myths busted', *Further Education News.co.uk* [online], 22 February. Available at: [www.fenews.co.uk/press-releases/16261-apprenticeship-levy-five-myths-busted](http://www.fenews.co.uk/press-releases/16261-apprenticeship-levy-five-myths-busted) [accessed 26 November 2018]

CIOB, CM - Construction Manager (2017), Apprenticeship levy: making the most of it, *Construction Manager* [online], 14 May. Available at: [www.constructionmanagemagazine.com/management/how-currie-brow7n-m8aking-apprenticeship-levy/](http://www.constructionmanagemagazine.com/management/how-currie-brow7n-m8aking-apprenticeship-levy/) [accessed 26 November 2018]

Bentley A (2017), CIOB, CM - Construction Manager, Management: The apprenticeship levy and how to spend it, *Construction Manager* [online], 26 June. Available at [www.constructionmanagemagazine.com/management/get-head-start-apprenticeship-levy/](http://www.constructionmanagemagazine.com/management/get-head-start-apprenticeship-levy/) [accessed 26 November 2018]

CIOB, CM - Construction Manager (2015), **Q&A briefing**: How will the new apprenticeship levy affect the industry? *Construction Manager* [online], 26 November. Available at [www.construction-manager.co.uk/news/new-apprenticeship-levy-qa/](http://www.construction-manager.co.uk/news/new-apprenticeship-levy-qa/) [accessed 26 November 2018]

Jones M (2017), 'Implementation is key to making the apprenticeship levy less about cost and more about gain', LinkedIn [online], 9<sup>th</sup> June. Available via [www.linkedin.com](http://www.linkedin.com) [accessed 26 November 2018]

- Dr Mark Jones is the Chief Operating Officer at the Higher Education Academy (HEA)

[Back to top](#)

## UCEM Accreditation and recognition

UCEM works closely with the leading professional bodies in the Built Environment to ensure that our programmes provide the knowledge and understanding required to achieve chartered status. These include the Royal Institution of Chartered Surveyors (RICS), the Chartered Institute of Building (CIOB), the Chartered Association of Building Engineers (CABE) and the Chartered Management Institute (CMI) and Hong Kong Institute of Construction Managers (HKICM). All our bachelor and masters level programmes are formally accredited by at least one of these bodies. Our Foundation Degree Surveying Practice is also recognised by RICS and CABE for Associate membership. Our Diploma of Higher Education in Surveying Practice (Real Estate Pathway), Foundation Degree in Surveying Practice (Real Estate pathway), UCEM BSc (Hons) Real Estate Management and UCEM MSc Real Estate are recognised by the Property Services Regulatory Authority (in the Republic of Ireland).

Under the current policy of the Hong Kong Institute of Surveyors (HKIS), graduates of UCEM programmes that are accredited by RICS are permitted to take the Assessment of Professional Competence of HKIS.

Further information can be accessed via the UCEM website [online] and available at: [www.ucem.ac.uk/about-ucem/accreditation-recognition/](http://www.ucem.ac.uk/about-ucem/accreditation-recognition/) [accessed 26 November 2018]

[Back to top](#)

## Further information on '[Designing Buildings Wiki](#)' –

### The construction industry knowledge base incl. Featured articles, and news.

**About** – *Designing Buildings Wiki* is the only industry-wide, cross-discipline forum for finding and sharing information. Anyone can create articles about subjects they know, and anyone can find articles about subjects they don't.

This month covers **Featured articles** (as of 7 November 2018) on

- **Maintenance – Maintenance is the process of ensuring that buildings retain a good appearance and operate at optimum efficiency.**
- **Assurance and self-certification – Self-certification can reduce cost and time by eliminating duplicate inspections and tests.**
- **Cross ventilation** – Cross ventilation occurs where there are pressure differences between one side of a building and the other.
- **Embodied energy** – The energy consumed by a building throughout its life should be understood as a means of increasing efficiency.
- **Hot-mixed mortars** – The last few years have seen renewed interest in traditional mortars and hot mixing.
- **Construction costs – Construction costs form part of the overall costs incurred during the development of a built asset.**
- **Carbon reporting** – What will the Streamlined Energy and Carbon Reporting Regulations mean for your business?
- **Types of floor** – Solid, suspended, plenum, floating – have a look at this introductory article to the different types of floor
- **Design: a quality management perspective**
- **Transport links** – Do you live close to the places you need most? Communities with transport links at their heart have many benefits.
- **Site induction** – The process of ensuring workers are fully informed about the organisation and operation of the construction site.
- **Book Review – *Making Magnificence: Architects, stuccatori and the eighteenth-century interior.***
- **Termination in contracts – Terminating a contract can be complex, and it is very important that the correct procedures are followed.**

This month also contains **news** (as of 7 November 2018) from the following organisations and online journals incl.

- **New ICE president** – Andrew Wyllie CBE, the CEO of Costain, becomes the 154<sup>th</sup> ICE President.
- **NHBC, 7 Nov - New guidance published on how to overcome barriers to small brownfield site development.**
- **The Guardian, 7 Nov** – Persimmon boss asked to leave amid ongoing outrage over £75m bonus.
- **Construction Manager, 6 Nov** – Draft Local Plan for City of London welcomes more skyscraper development.
- **Great Pyramid discovery** – New archaeological discovery raises new theories about how the Great Pyramid was constructed.
- **Cold rented properties – Amendments to energy efficiency regulations impose a spending cap on landlords' improvements.**
- **RICS, 6 Nov** – RICS paper aims to offer solutions to crisis of youth homelessness (see further information earlier in this e-bulletin)
- **Construction Index, 6 Nov** – Latest pan-industry quarterly survey shows deteriorating profit margins in the face of rising costs.
- **Building Better, Building Beautiful** – Government announce commission to champion 'beauty' and 'tradition' in new developments.
- **CITB, 5 Nov** – National Construction College working to secure a long-term healthy supply of highly trained workers.

- Archdaily, 2 Nov – London’s V&A East designs revealed.
- Construction Dive, 2 Nov – What the American construction industry can expect in 2019.
- Construction knowledge survey – Take a few minutes to complete a survey by the Construction Knowledge Task group and help shape the future of industry knowledge.
- **Skills shortage – New analysis claims that the skilled worker shortage is at its worst for four years.**
- Construction Index, 2 Nov – Tarmac has produced a new building block with ‘unrivalled’ blast protection qualities.
- **UKGBC, 1 Nov – New tool launched to visualise embodied carbon at any point in a building’s lifecycle.**
- Construction Manager, 1 Nov – ISG develops digital tech to scan for correct PPE
- **GOV.UK, 31 Oct – Homes England digital tech to scan for correct PPE.**
- **Speeding up build out rate – Final report of independent review into the barriers to housebuilding is published.**
- CIH, 31 Oct – New project launched to examine how social housing is being allocated across England.
- **Construction Index, 31 Oct – Homes England sets out plan to hit building targets (see further information earlier in this e-bulletin)**
- **Autumn Budget – Hammond’s Budget unveils £25.3bn investment in UK roads.**

‘Designing Buildings Wiki’ is an industry-wide, cross-discipline forum for finding and sharing information, covering the following subject areas incl.

‘Designing Buildings Wiki’ categories			
Project Plans	Project activities	Legislation and Standards	Industry context
Building Information Modelling (BIM)	Appointments	Case law	Conservation
Construction manager	Client procedures	Health and safety / CDM	Education
Design and build	Construction management	Other legislations	History
Management contract	Construction techniques	Planning permission	International
Public project	Contracts / payment	Policy	Organisations
Self-build home	Cost / business planning	Property law	Projects and case studies
Traditional contract	Design	Regulations	Publications / reports
	Procurement	Standards / measurements	Research / Innovation
	Products / components	Sustainability	Theory
	Property development	Taxation	
	Public procedures		
	Roles / services		

Source: **Designing Buildings.co.uk Wiki**, (2018) [online]. Further information is available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) [accessed 26 November 2018]

See also –

## Designing Buildings Wiki – Student resources

**Designing Buildings Wiki – Student resources** [online] and available at:

[www.designingbuildings.co.uk/wiki/Student\\_resources](http://www.designingbuildings.co.uk/wiki/Student_resources) [accessed 26 November 2018] – *Designing Buildings Wiki* has a wide range of resources aimed at students of the built environment, incl.

**Career guides** – How to become an architect; How to become a civil engineer; How to become a construction manager; How to become an engineer; How to become a quantity surveyor; and how to become a landscape designer.

**Course guides for** – Architecture; BIM; Civil engineering; Commercial management and quantity surveying; Construction engineering management; Construction project management; and Urban design

**Dissertation guides**, and

**Universities** (incl. UCEM) and **Colleges**.

[Back to top](#)

## Construction industry institutes and associations

-This list is for institutes, associations and other bodies that might be considered to represent part of the construction industry.

*Designing Buildings Wiki*, 'Construction industry institutes and association', **A to F** [online]. Available at:

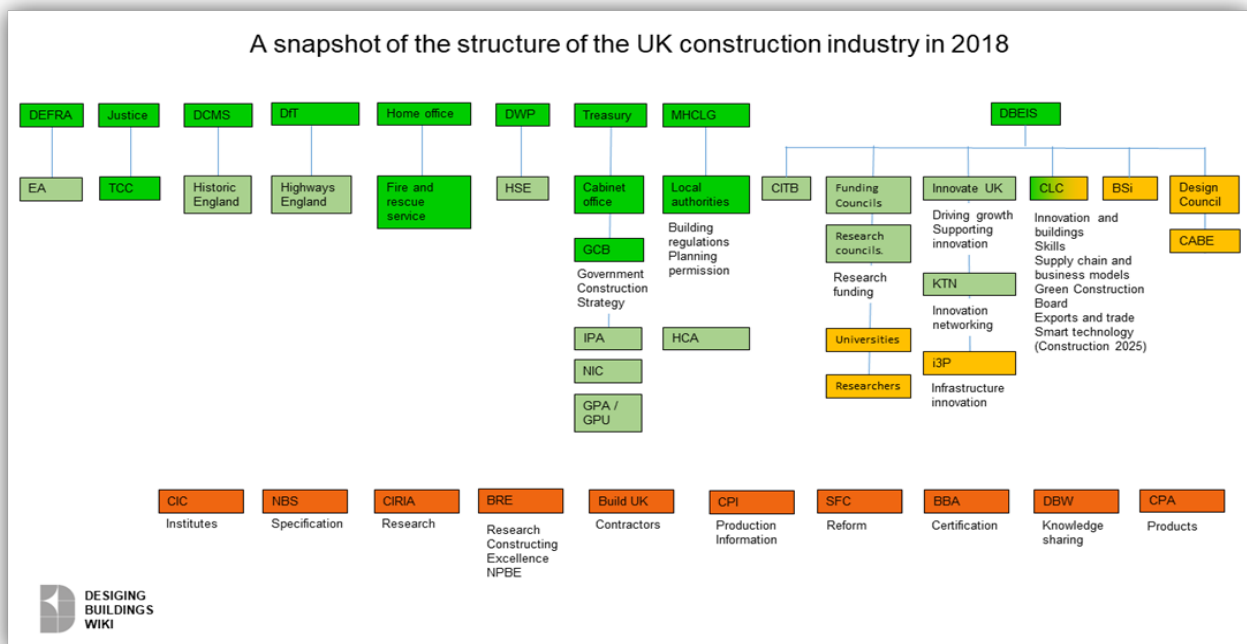
[www.designingbuildings.co.uk/wiki/Construction\\_industry\\_institutes\\_and\\_associations\\_A\\_to\\_F](http://www.designingbuildings.co.uk/wiki/Construction_industry_institutes_and_associations_A_to_F) [accessed 26 November 2018]

*Designing Buildings Wiki*, 'Construction industry institutes and association', **G to Z** [online]. Available at:

[www.designingbuildings.co.uk/wiki/Construction\\_industry\\_institutes\\_and\\_associations\\_G\\_to\\_Z](http://www.designingbuildings.co.uk/wiki/Construction_industry_institutes_and_associations_G_to_Z) [accessed 26 November 2018]

[Back to top](#)

## Fragmentation of the UK construction industry



Source: *Designing Buildings.co.uk Wiki* (2018), 'Fragmentation of the UK construction industry' [online], last edited 8 June 2018. Further information is available at: [https://www.designingbuildings.co.uk/wiki/Fragmentation\\_of\\_the\\_UK\\_construction\\_industry](https://www.designingbuildings.co.uk/wiki/Fragmentation_of_the_UK_construction_industry) [accessed 26 November 2018]

The UK construction industry has always been complex and diverse, and the modern industry, with its separation of design and construction has to some extent always been fragmented. But despite the development of the 'design and built' procurement route, integrated project teams and the introduction of collaborative practices,

there is strong evidence that industry fragmentation has become progressively worse since the 1950s. This is thought to contribute to poor performance, low investment, poor skills and a lack of innovation.

This was recognised as early as the Ministry of Works 'Survey of Problems before the Construction Industries' (the Emmerson Report) published in 1962, but most notably it was highlighted in Sir Michael Latham's 1994 report 'Constructing the Team', which notoriously described the industry as 'ineffective', 'adversarial', 'fragmented' and 'incapable of delivering for its customers'.

One of the reasons for the fragmentation of the industry is that buildings have become more complicated.

Britain emerged from the Second World War with a construction industry dominated by very large contractors that had grown from war time work and were rebuilding a country ravaged by the Blitz. Wimpey were the biggest of these contractors, directly employing most of the labour necessary to execute its projects. Taylor Woodrow, even with half the annual turnover of Wimpey, employed 40,000 people.

Today however, as buildings have come more complex, it is less and less likely that any one contractor will have the required skills to carry out all of the works necessary to construct them, and it does not make good commercial sense to take on new employees for one project that would then have to be laid off for the next.

Increasingly therefore, contractors use sub-contractors to carry out particular elements of the works.

On a straight-forward 'traditional' project, design consultants and the main contractor, sometimes referred to as tier 1 suppliers, work for the employer, and the main contractor may have a limited chain of their own suppliers. However, the situation becomes more complicated on large projects, where the employer may have a significant number of tier 1 suppliers, all with complex and extended supply chains of their own, some of whom may be completely unknown to the employer at the top of the chain.

A report published by EC Harris in 2013 suggested that for a large building project in the £20- £25 million range, the main contractor may be directly managing around 70 sub-contractors of which a large proportion had a relatively low value of £50,000 or less.

*Construction 2025*, published in 2013 also pointed to a high degree of fragmentation, even when compared to other sectors or to countries such as the USA, France and Germany. This, it has been suggested, is because the UK has a higher level of sub-contracting driver, in part by the relatively high proportion of self-employment and a high number of small and micro businesses.

The *Government Construction Strategy 2016 2020* (published in 2016) reported that the industry was dominated by a staggering 956,000 SMEs, which accounted for 99% of businesses. However, *Construction 2025* suggested that the industry's customer base was even more fragmented, with much of the industry's workload coming to it on a one-off, piecemeal basis. This was also referenced by the *Government Construction Strategy 2011 2015* (published in May 2011) which pointed to a particular fragmentation of the public-sector client base.

Government oversight of the construction industry is spread across a large number of departments, with no clear single point of responsibility. For example, the Department for Business Innovation and Skills (BIS) is responsible for *Construction 2025*, but HM Treasury is responsible for the Government Construction Strategy. In 2007/8, the Building Research Establishment (BRE) reportedly characterized the number of public sector bodies with an interest in construction as 'a completely fragmented mess'.

There was an attempt to tackle this problem in 2009, with the appointment of a Chief Construction Adviser, intended to provide cross-departmental coordination and leadership on construction industry policy. However, this position was scrapped in November 2015. This departmental situation was simplified a little in 2018 by the creation of the Ministry of Housing, Communities and Local Government (MHCLG), but there is still no overall government responsibility for the industry.

The internal organisation of the industry itself does not help, with an estimated 300 institutes, associations and other bodies representing each of the individual factions that now exist through the intended supply chain. This leads to a wasteful and ineffective duplication of effort in some areas and leaves gaping holes in others.

**See Construction industry institutes and associations (A-F and G-Z) above for more information.**

For further information on this and other related subjects, please visit

Source: **Designing Buildings.co.uk Wiki** (2018), 'Fragmentation of the UK construction industry' [online], last edited 8 June 2018. Further information is available at:

[https://www.designingbuildings.co.uk/wiki/Fragmentation\\_of\\_the\\_UK\\_construction\\_industry](https://www.designingbuildings.co.uk/wiki/Fragmentation_of_the_UK_construction_industry) [accessed 26 November 2018]

---

**NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone can be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
  - An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then must consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.
- 

[Back to top](#)

## **Designing Buildings Wiki – [celebrating reaching 5,000 articles](#)**

To celebrate reaching 5,000 articles, 'Designing Buildings Wiki' present the most popular article in each of their 32 subject areas/categories (identified above)

Direct hyperlinks are provided to each individual article identified and can be accessed via the source provided below.

### **Category – Project Activities**

SUBJECT AREA	MOST POPULAR ARTICLE
1. Appointments	Design and build
2. BIM	Level of detail
3. Client procedures	Project brief
4. Contracts/Payment	Variations
5. Construction management	Tender documentation
6. Construction techniques	Value engineering
7. Cost / business planning	Bill of quantities
8. Design	Types of drawings
9. Procurement	Preliminaries
10. Products / components	Pile foundations
11. Property development	Building design and construction fees
12. Public procedures	Procurement routes
13. Roles / services	Architect's fees

### **Category – Legislation**

SUBJECT AREA	MOST POPULAR ARTICLE
14. Case law	Contract vs tort
15. Health and safety / CDM	CDM 2015



16. Other legislation	Method statement
17. Planning permission	Section 278 agreements
18. Policy	Building information modelling
19. Property law	Building regulations
20. Regulations	U-values
21. Standards / measurements	Types of drawings
22. Sustainability	Sustainability in building design and construction
23. Taxation	Construction VAT

#### Category – Industry context

SUBJECT AREA	MOST POPULAR ARTICLE
24. Conservation	Defects in brickwork
25. Education	Construction methods
26. History	The UK construction industry
27. International	Why so many women leave engineering
28. Organisations	Construction industry acronyms
29. Projects and case studies	The Big Bend, New York
30. Publications / reports	Latham Report
31. Research / innovation	3d printing
32. Theory	Risk in building design and construction

You can access, read online and gain direct links to the most popular articles @

Source: **Designing Buildings.co.uk Wiki**, (2017) 'Most popular articles in each subject area' [online], last edited 11 May 2017. Further information is available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) and [https://www.designingbuildings.co.uk/wiki/Most\\_popular\\_articles\\_in\\_each\\_subject\\_area](https://www.designingbuildings.co.uk/wiki/Most_popular_articles_in_each_subject_area) [accessed 26 November 2018]

---

#### **NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone can be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
  - An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then must consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.
- 

[Back to top](#)

## **The Construction Information Service (CIS) – Insight 10/2018 Edition**

- *CIS Insight* (10/2018 Edition) – In this article, *CIS Insight* takes a look at ‘The problems with the construction industry – and how digitisation can help’

This month’s *Insight* focuses on exploring the feasibility of offsite construction, and covers

- The built environment and environmental degradation
- Adversarial business practices
- Slow-changing industry

### **Abstract**

In the NBS Discover events, a number of innovations in how construction information can be collaboratively created, managed and shared, through the life of a building were shown. These were not solutions without problems. Part of each discovery event was devoted to some of the real issues the construction industry faces, and to how digitisation can help address them. This document (available within CIS – accessed via Athens (section 2 of the VLE e-Library) and by selecting IHS Information Services.

### **Contents**

- Problem: the Built Environment makes a big contribution to environmental degradation
- Problem: the construction industry’s business practice is marked by an adversarial approach
- Problem: the construction industry is slow to change and has a poor record on productivity
- Digitisation and the Future of Construction

Further information, advice and guidance is provided via the below source link:

Source: Malleson A (2018), The Construction Information Service (CIS) – *Insight 10/2018: The problems with the construction industry – and how digitisation can help* [online]. Further information available at: [www.thenbs.com/knowledge/the-problems-with-the-construction-industry-and-how-digitisation-can-help?scl=01MzUzQzlwMDU0tNzEyNi00RDZBLTg2NEltNTQzNTAxOTg4Nzk0XzYzNjc3ODk1NTY2NTE3ODkwMw%3d%3d](http://www.thenbs.com/knowledge/the-problems-with-the-construction-industry-and-how-digitisation-can-help?scl=01MzUzQzlwMDU0tNzEyNi00RDZBLTg2NEltNTQzNTAxOTg4Nzk0XzYzNjc3ODk1NTY2NTE3ODkwMw%3d%3d) [accessed 26 November 2018]

**Please note:** CIS can be accessed through the **Athens gateway** <http://www.openathens.net/> and by selecting ‘IHS Information Services’. The Briefing can be downloaded from the CIS homepage.

[Back to top](#)

---

## **The Smith Institute**

The Smith Institute is a leading independent ‘think tank’ which promotes progressive policies for a fairer society. They provide a high-level forum for new thinking and debate on public policy and politics. Through research, reports, briefings, monographs, events, lectures, education, and our website, the Institute offers a platform for thought leadership on a wide range of topics incl.

- **Economy and Finance** - This policy theme includes work on macro-economics, trade, tax and finance. The Smith Institute’s work in this area has looked at the relationship between fairness and a strong economy.
- **Government and Politics** - The Institute is interested in constitutional reform, active citizenship and political participation. Future work will be exploring voting trends, the interplay between politics and policymaking and improving political engagement.
- **Sustainability and Environment** – The Institute’s work in this field has looked at food supply, homeworking, eco-housing, and energy policy.
- **Business and Third Sector** - This policy theme includes work on the business, corporate responsibility, access to finance, charitable giving and social enterprises. This year our work in this area will be focusing on corporate governance, business and rebalancing the economy, and the third sector and public services.
- **Local Government Cities and Regions** - This policy theme includes work on the devolution and regional economic disparities and development. The economic downturn is exacerbating the gap between London (and the Greater Southeast) and other areas of the UK. Set against this backdrop the Institute is continuing work on city-regions, economic geography and localism.
- **Housing and Regeneration** - This policy theme includes work on social housing, private rented sector, eco-towns, regeneration, suburbia, and urban renewal. The Institute’s work this year will be mainly focused on funding social housing, eco-homes, and place-making.

- **Work and Welfare** - This policy theme includes work on wages, good work employment, welfare, worklessness, pay, outsourcing and skills. The Institute recently undertook a major inquiry into making undertaken by Ed Sweeney (former chair of ACAS) into Making Work Better. This report was widely welcomed including support from the Labour party, unions and the EEF. The Institute's future work programme is going to focus on procurement, living wage, employment protection and will focus on some of the main themes from the *Making Work Better* report.
- **Education and Families** – The Institute's work in this policy area has looked at all levels of formal education and on early intervention policies. The Institute believe that it is far better and fairer for individuals and society, and makes clear economic sense, to intervene early before problems develop in later life.
- **Health and Wellbeing** - This policy theme covers work on healthcare, healthy living and mental health. The Institute are interested in health and social care, the delivery of efficiencies and fairness in the NHS, and health prevention. Future work will be focusing on the impact of the health and social care act, the ageing society, integration and public health.
- **Security and Criminal Justice** - This policy theme includes work on the criminal justice system, reducing re-offending and issues around combatting terrorism and national security. The Institute aim to undertake further research on offender management and security policy.
- **EU and International** - This policy area includes work on the European Union, trade, and Britain's relationship with the international community and role in the world. The Institute have published a collection of essays on social Europe which, it is hoped will be followed up this year. The Institute also aim to undertake further work on economic nationalism and globalisation.

The Institute's activities are informed by a network of well-known experts, policy makers, research fellows and patrons. Based in London, it works in partnership with a range of public and private organisations, foundations and charities. As a charity, The Smith Institute had an excellent track record in influencing and shaping public policy, and extensive national and international contacts. Over the last decade it held over 500 events and published more than 150 reports – including *'Working together – thinking alike: What do councils and local enterprise partnerships expect from housing associations'* (as mentioned earlier in this e-Bulletin), with contributions from Prime Ministers and MPs to archbishops and chief executives. The Smith Institute, recently reconstituted as a not-for-profit organisation, will sustain and develop this record of achievement, and maintain its reputation and influence in Westminster and Whitehall.

**N.B. The newly updated Smith Institute website** [online]. Further information is available at: [www.smith-institute.org.uk/](http://www.smith-institute.org.uk/) [accessed 26 November 2018]



<https://www.facebook.com/pages/The-Smith-Institute/251600568286?v=wall> [accessed 26 November 2018]



[https://twitter.com/smith\\_institute/](https://twitter.com/smith_institute/) [accessed 26 November 2018]

**Policy Tracker**

on The Smith Institute's website [online] and available @ [www.smith-institute.org.uk/?page\\_id=66](http://www.smith-institute.org.uk/?page_id=66) [accessed 26 November 2018]

[Back to top](#)

## Latest Research from The Smith Institute incl.

### *The local Living Wage dividend*

Since its introduction in the UK in 2001, the campaign for employers to go beyond the government minimum to voluntarily pay for a real Living Wage has raised the wages of at least 150,000 people. It has made employees feel properly valued for the work they do and the contribution they make. It has improved the incomes of some of the poorest families and delivered wages high enough to live on. The benefits are not just confirmed to

workers. There is also a growing body of evidence showing the advantages to accredited employers and wider society.

Despite these improvements, around a fifth of workers are still paid less than the voluntary Living Wage (affecting women more than men, more part-time workers than full-time, and with low pay concentrated in accommodation and food services and retail). A large share of these low paid workers is known to be employed in our major cities and city regions, and they are more likely than higher paid workers to be concentrated in just a handful of firms.

Although the share of employees in low pay is sometimes higher in city regions, there has been very little national attention given to the potential impact the real Living Wage could have on local economies. However, with the first elections of metro mayors and a new policy focus on cities and combined authorities, questions about whether to fully champion the Living Wage as a driver of inclusive growth throughout the UK have become more pertinent. The evidence in this report and others clearly demonstrates the power of the Living Wage to boost wages for those on low incomes and make the labour market fairer and more inclusive.

However, when assessing the impact of the real Living Wage on city economies the key consideration is whether increased wages for low income workers boosts productivity, or whether costs are simply passed on to others locally, with little additional economic benefit. This report seeks to address this question and explore how the take-up of the real Living Wage is likely to impact growth within a city region.

Evaluating the impact of the real Living Wage at a spatial level is complex and depends on several variables, not least the state of the local labour market and the types of business activity. The starting point for this assessment is to look at how the government approaches the issue of a higher wage floor and examining the evidence from the impact of the introduction of the National Minimum Wage. Based on the findings from studies on the National Minimum Wage the approach adopted in the report is to see wages as an investment which can create value, rather than a cost to be cut. Instead of simply pushing up prices or unemployment, a credible and fair Living Wage could pay for itself through productivity gains, as employees become more committed and employers seek to get more out of the workers they are investing in.

Using these findings, the report sets out potential scenarios for what an increased Living Wage take-up would mean in 10 major city regions geographically spread across the country. This includes the impact on the wages of those slightly above the real Living Wage, multipliers created by additional spending power of workers, and how the Treasury would benefit from increased tax revenues and reduced benefit payments.

The report's findings suggest that if Living Wage take-up is scaled up there are significant potential benefits to local economies, with higher wages boosting productivity and providing additional local spending. And this shift to the high road could be encouraged by mayors and local councils making business and skills support contingent on paying the Living Wage. As a large proportion of the financial gain goes straight to central government there could be potential for elected mayors and combined authorities to strike new deals with ministers focused on sharing the rewards, and further driving local economics and productivity growth.

Further information and access to the series incl.: **All Reports, Economy & local growth.**

Hunter P, Smith Institute (2018), *'The local Living Wage dividend'* [online]. Further information is available at: [www.smith-institute.org.uk/book/the-local-living-wage-dividend/](http://www.smith-institute.org.uk/book/the-local-living-wage-dividend/) [accessed 26 November 2018]

The Smith Institute, Publications [online] and available at: [www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 26 November 2018]

[Back to top](#)

### ***Out of Contract: Time to move on from the 'love in' with outsourcing and PFI***

The pressure on government departments, public bodies and local government to outsource public services has intensified since the 2010 election. This growing trend towards contracting out is largely being driven by fiscal austerity and the relentless search for budget savings. But also, by the Conservative Party's deep-rooted belief in marketisation, privatisation and desire for a smaller state.

Contracting out has become part of the DNA government. But, how effective has it been for the public sector and the companies concerned; has it really delivered the promised savings and improvements in service delivery;

and what have been the social and human costs? It is these questions that David Walker and John Tizard address in this timely and insightful policy discussion paper, the first in The Smith Institutes 2018 series of “what needs to change” talking points.

Walker D, and Tizard J, The Smith Institute (2018), *Out of Contract: Time to move on from the ‘love in’ with outsourcing and PFI* [online]. Further information and access to the report is available at: [www.smith-institute.org.uk/book/contract-time-move-love-outsourcing-pfi/](http://www.smith-institute.org.uk/book/contract-time-move-love-outsourcing-pfi/) [accessed 26 November 2018]

The Smith Institute, Publications [online] and available at: [www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 26 November 2018]

[Back to top](#)

## ***Delivering the renaissance in council-built homes: the rise of local housing companies***

This report attempts to capture the rapid rise in local housing companies (LHCs), which has occurred among councils of all types throughout England. This growth in council owned companies providing a mix of housing tenures has been acknowledged by the local government and housing communities, but largely over-looked by Whitehall and Westminster. Indeed, as we mention, there is still no official register or chronicle of LHCs. Yet, councilors and council officers are busy establishing and running housing companies, many in district councils as well as the major cities. On the current trend, up to half of all councils in England may have a LHC by 2020, most building on council land. This report attempts to capture the rapid rise in local housing companies (LHCs), which has occurred among councils of all types throughout England. This growth in council owned companies providing a mix of housing tenures has been acknowledged by the local government and housing communities, but largely over-looked by Whitehall and Westminster. Indeed, as we mention, there is still no official register or chronicle of LHCs. Yet, councilors and council officers are busy establishing and running housing companies, many in district councils as well as the major cities. On the current trend, up to half of all councils in England may have a LHC by 2020, most building on council land.

Our primary focus for the research has been on outstanding the motivations and significance of LHCs and how they are driving the ‘renaissance’ of councils building again. We have examined the trends, types, forms, roles, achievements and challenges facing LHCs. Most importantly we have tried to evaluate the extent to which they might develop as alternative providers of affordable homes. Are LHCs just a “nice to have” for local government, or will they meet local housing needs and collectively contribute towards solving the affordable housing crisis?

The evidence we have gathered suggests that LHCs are in fact important new housing providers and that there is the potential to do more. In that regard, we hope that the information and insights are useful to politicians, officers and advisers, and to anyone else who is involved in promoting, establishing or running a LHC. As the report shows, the rapid rise of LHCs has happened because of the energy and determination of councilors and officers. It has been their willingness to innovate that has made the difference. Hopefully, they will ensure that LHCs are here for the long term and can deliver the housing that local residents need.

By the way of desk research, interviews, polling, seminars and roundtable discussions the study has attempted to: assess the emergence of LHCs and identify the main drivers and costs and benefits; highlight the opportunities and barriers to growth; and consider possible changes to the policy and operating environment in support of LHCs.

There is hardly any data or analysis on the rise of LHCs in England. As mentioned, there is very little official information on where LHCs are based and why they are doing. Hopefully this report will help fill that knowledge gap. Whilst the study includes desk research and reference to relevant work by academics and housing and local government experts, the evidence and observations are mostly derived from profiles of new and emerging LHCs and from the experience and views of practitioners, advisors, commentators and other stakeholders. By capturing their views, and particularly those on the “front line”, we hope to provide a balanced and objective understanding of the potential of LHCs to deliver much needed affordable homes.

Hackett P, Smith Institute (2017), *‘Delivering the renaissance in council-built homes: the rise of local housing companies’* [online]. Further information is available at: [www.smith-institute.org.uk/book/delivering-renaissance-council-built-homes-rise-local-housing-companies/](http://www.smith-institute.org.uk/book/delivering-renaissance-council-built-homes-rise-local-housing-companies/) [accessed 26 November 2018]

The Smith Institute, Publications [online] and available at: [www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 26 November 2018]

[Back to top](#)

### **#notjustfor boys / women in construction**

- This collection of essays highlights the barriers to working in the construction industry that women face and demonstrates how things can be improved

It is two years since The Smith Institute first published this collection of essays. Over that time the number of women in work has increased to nearly half the workforce, with many more in professional and technical jobs. Unfortunately, one area where change has been less forthcoming is the number of women working in construction and the manual trades.

Nevertheless, efforts are being made by employers, unions, professional organisations, government, schools, training agencies and others to encourage more women into the construction industries and offer support once in work. This kind of concerted action to significantly improve both recruitment and retention is far from easy, but as the Construction Youth Trust's #notjustforboys campaign (more details are at the end of the report) shows misconceptions, prejudice and bad practices that are at the root of the problems can be over-turned and young people can be inspired to think differently. Worsening skills shortages and the prospect of post-Brexit restrictions on migrant labour mean UK construction will have to recruit more women. Failure to act will damage our future prosperity.

Jowett A, Bagilhole B, Townley C [et al.], September 2016, **#notjustforboys – women in construction** [online]. Further information and access to the report is available at: [www.smith-institute.org.uk/book/notjustforboys-women-construction/](http://www.smith-institute.org.uk/book/notjustforboys-women-construction/) [accessed 26 November 2018], London: The Smith Institute

The Smith Institute, Publications [online] and available at: [www.smith-institute.org.uk/?post\\_type=books](http://www.smith-institute.org.uk/?post_type=books) [accessed 26 November 2018]

#### **Related link:**

The Guardian picture essay – **Women in construction: building a career in a challenging environment**

- Guardian photographer Alice Canter photographs 12 women working in the UK construction industry and talks to them about their experiences.

Canter A (2018) 'The Guardian picture essay – Women in construction: building a career in a challenging environment', *The Guardian* [online], 8 October. Available at: [www.theguardian.com/business/2018/oct/08/women-in-construction-building-a-career-in-a-challenging-environment](http://www.theguardian.com/business/2018/oct/08/women-in-construction-building-a-career-in-a-challenging-environment) [accessed 26 November 2018]

[Back to top](#)

---

### **National Trust (NT) - Big Issues (incl. 'Transport & Tourism' and 'Land-use & planning') and their views**

The National Trust is 'a charity that works to preserve and protect historic places and spaces – for ever, for everyone' (NT, 2015). The National trust protect historic houses, gardens, mills, coastlines, forests, woods, fens, beaches, farmland, moorland, islands, archaeological remains, nature reserves, villages and pubs. While they are very passionate about open spaces and historic places, they also work hard in other areas too, including the environment, food, farming, transport and heritage – to name but a few.

Most of the work they do though is affected by much wider global issues, which is why their interests extend far beyond just bricks and mortar.

The National Trust [online] and available @ [www.nationaltrust.org.uk/](http://www.nationaltrust.org.uk/) [accessed 26 November 2018]

Please refer to

'The National Trust' 

'Our cause'  and select either



**Nature & Wildlife; Heritage** (including information on Building Conservation); **News; Land & Landscape** (including information on Landscape, Coastline and Energy); **&/or Food**

The National Trusts work can be affected by wider national even global issues. Further information is available @ [www.nationaltrust.org.uk/our-views](http://www.nationaltrust.org.uk/our-views) [accessed 26 November 2018]

**NT, Big issues - Transport and tourism –**

- The NT, Big issues - Transport and tourism and how special places have been impacted by the High-Speed Rail 2






Source: The National Trust (2018), What we do, Big Issues, Transport and tourism [online]. Further information is available @ [www.nationaltrust.org.uk/our-views](http://www.nationaltrust.org.uk/our-views) [accessed 26 November 2018]

**Social Media Links to follow for National Trust:**

**&**

**NT, Big issues – Land & Landscape (incl. Land-use & planning)**

Please refer to

‘The National Trust’   
‘Our cause’   
‘Land & Landscape’   
‘Landscape’  and select  
‘Land-use & Planning’ 

Where you can access The National Trusts ‘Planning Principles’ and an article on ‘*Planning at a national level*’ **Land-use and planning** [online]. Further information is available at: [www.nationaltrust.org.uk/features/land-use-and-planning](http://www.nationaltrust.org.uk/features/land-use-and-planning) [accessed 26 November 2018]

**Reference:**

**Land & Landscape** (including information on Landscape, Coastline and Energy) [online]. Further information is available at: [www.nationaltrust.org.uk/land-and-landscape](http://www.nationaltrust.org.uk/land-and-landscape) [accessed 26 November 2018]



<https://twitter.com/nationaltrust/> [accessed 26 November 2018],



<https://www.facebook.com/nationaltrust> [accessed 26 November 2018],



<https://www.youtube.com/user/nationaltrustcharity/> [accessed 26 November 2018]

[Back to top](#)

## **Why the National Trust cares about planning**

Land-use planning is a key tool to help the National Trust look after the nation's special places. It can also help society to create great places for people to live, work and play, and deliver a healthier, more beautiful natural environment – two key parts of the new National Trust strategy. That's why they regularly take part in the planning system and support a plan-led system to deliver good development which meets long term needs. An effective planning system guides good, necessary development to the right places, making an important contribution to prosperity and growth. It ensures that poorly designed developments and those in the wrong place don't get built. It delivers the new homes, shops and services that communities want, where they want them. And it protects the things that matter to us all; from much-loved open spaces, green fields and productive agricultural land to our historic city centres, towns and villages.

A planning system should:

- Be balanced - to integrate environmental, social and economic concerns
- Safeguard the public's interest - protect countryside, heritage and nature
- Start from what people value about their place

National Trust (2018), *Why the National Trust cares about planning* [online] and further information is available at @ [www.nationaltrust.org.uk/features/land-use-and-planning](http://www.nationaltrust.org.uk/features/land-use-and-planning) [accessed 26 November 2018]

[Back to top](#)

## National Trust – “Our planning principles”

“Our planning principles are used to guide us in our decision-making on the way land is developed and managed.” (National Trust, 2016)

These principles are used to guide the National Trust in their decision making about land use and planning incl.

**Seeking to influence** – The National Trust seek to influence the Planning system at local, regional and national levels in accordance with their statutory purpose and will promote an integrated approach to sustainable development.

**Supporting spatial planning** – The National Trust support spatial planning which takes a holistic approach to the environment and its resources, plans long-term, looks at the landscape, catchment or coastal ‘cell’ scale and takes into account climate change implications.

**Sensible management** – The National Trust promote the wise management of the natural environment and built and cultural heritage, for our future generations, and will support high design quality.

**Protecting our environment** – The National Trust will seek to protect wild and remote landscapes from built development or urbanisation, especially where it impacts on their properties.

**Using property management plans** – In managing its land through property management plans, the National Trust will support and help to achieve the objectives of any designated landscape, wildlife, or historic sites and arenas.

**Objecting to proposals, where appropriate** – The National Trust will object to land use or marine-based proposals that have a significant adverse impact on its properties and their settings and context, or in its wider interests.

**Using a sustainable construction approach** – When proposing development on their land to meet justified needs, the National Trust will use a sustainable construction approach. This will include:

- Minimising resource use and generation of waste,
- Being energy efficient,
- Minimising or preventing all types of pollution and risk of flooding,
- Safeguarding important wildlife, landscape and historic interests,
- Respecting local/regional distinctiveness, supporting local sources for goods and services where practical, and
- Encouraging community involvement and access

National Trust (2018), *Our planning principles* [online] and further information is available @ [www.nationaltrust.org.uk/features/our-planning-principles](http://www.nationaltrust.org.uk/features/our-planning-principles) [accessed 26 November 2018]

[Back to top](#)

## National Trust – “How we engage in planning: our role as a developer”

“We are an independent conservation charity looking after a quarter of a million hectare of land, 775 miles of coastline, hundreds of houses and thousands of archaeological monuments and historic buildings, large and small.” (National Trust, 2016)

### The National Trust’s planning procedure

In the course of National Trust work, they're responsible for some new development. Whether it's for a new visitors' centre or a new green energy project, this means that they're a participant in the planning system. Sometimes they apply for a change of use of a building to give it a productive future use or to aid farm or estate diversification.

Very occasionally the National Trust seek to develop 'investment' land to meet an identified housing need. Sometimes donors specifically offer land with development potential to help pay for conservation work in the future.

The National Trust's conservation purposes are paramount so in all cases where they apply for planning permission, they look to include sustainable development principles, seeking to minimise resource use, waste and pollution; safeguard landscape, wildlife and historic interest; respect local distinctiveness; and provide better access, and a safe and healthy environment.

The National Trust have developed the following criteria to ensure only suitable projects proceed:

- Adhere to the policies in the relevant local plan.
- Deliver energy efficiency and reduce carbon dioxide emissions.
- Build in harmony with the local environment, built and natural.
- Involve the local community throughout the process.

The vast majority of National Trust land is held forever, for everyone. Less than 0.01% is currently allocated for housing in local plans and proposed for development by the Trust.

When the National Trust release land for development, they aim to use it to show what good housing can look like.

The National Trust sell land for development when they are completely satisfied that any proposed scheme is the best possible solution for the area and passes a rigorous set of design and environmental standards they apply as part of their decision-making process.

Some case studies are provided and include:

- Pyrland, Taunton, Somerset
- Dean Park, Bovey Tracey, Devon
- Erddig, near Wrexham, North Wales
- Stamford Brook, Cheshire

For further information and access to these case studies, visit

Source: National Trust (2018), *How we engage in planning: our role as a developer* [online] and further information is available @ [www.nationaltrust.org.uk/features/how-we-engage-in-planning-our-role-as-a-developer](http://www.nationaltrust.org.uk/features/how-we-engage-in-planning-our-role-as-a-developer) [accessed 26 November 2018]

[Back to top](#)

## **Planning at a national level**

- Across England, Wales and Northern Ireland, the National Trust look after a quarter of a million hectares of land, 775 miles of coastline, and thousands of archaeological monuments and historic buildings, large and small. Every year many millions of people enjoy the special places in the National Trust's care.

**The National Trust's role** - As an organisation rooted in the importance of place, the Trust has always looked beyond its own boundaries to achieve its core purpose. Founded to preserve and provide access to places of natural beauty or historic significance, the National Trust supporters were a voice against urban sprawl and ribbon development in the 1920s, and advocates of the Town and Country Planning Act, which became law in 1947.

**Government's planning rules for housing development and land use** – The Government's National Planning Policy Framework (NPPF) is the main set of rules that apply to planning decisions and local plan-making in England. The NPPF, introduced in March 2012, should ensure that development is steered to the most

appropriate places. Planning development should not be weighted in the interests of purely economic development, but integrate the needs of people, places and the economy.

When the NPPF was being drawn up, the Prime Minister wrote to the National Trust to reassure them that ‘our magnificent countryside’ would continue to be protected. The Prime Minister at the time said the reforms would ‘maintain protections for the green belt, for National Parks and Areas of Outstanding National Beauty,’ and would ‘strengthen local participation’.

**Monitoring Government’s plan-led system** – Since the NPPF came into force in March 2012 the National Trust has been checking that the Government’s intentions are being delivered at ground level.

For further information, visit

National Trust (2018), *Planning at a national level* [online] and further information is available @ [www.nationaltrust.org.uk/features/planning-at-a-national-level](http://www.nationaltrust.org.uk/features/planning-at-a-national-level) [accessed 26 November 2018]

[Back to top](#)

## **Planning at a local level**

- At a local level, the National Trust monitor planning proposals that are likely to affect the special place in their care.

The National Trust deal with proposals ranging from anything from a house extension, through to large residential or commercial development, to new road or airport infrastructure. These will often be proposals adjacent to National Trust land, but development some distance away can also have implications on special places, for example in the form of traffic generation, or loss of habitat.

The vast majority of applications will not be an issue for the National Trust. For others, they may object, or suggest some conditions, to those which compromise National Trust purposes and sustainable development principles, or – very rarely – if they feel an unfortunate precedent might be set.

Through informed involvement, the National Trust have been able to negotiate real environmental improvements in schemes like complex infrastructure proposals, for instance on road or rail alignments.

Where it is helpful to National Trust interests, they seek to influence local transport plans, shoreline management plans, and river basin management plans.

For further information, visit

National Trust (2018), *Planning at a local level* [online] and further information is available @ [www.nationaltrust.org.uk/features/planning-at-a-local-level](http://www.nationaltrust.org.uk/features/planning-at-a-local-level) [accessed 26 November 2018]

### **Related links:**

GOV.UK (2018), Ministry of Housing, Communities and Local Government, published: 29 November 2016, last updated: 24 July 2018, Collection: *Planning practice guidance* [online]. Available at: [www.gov.uk/government/collections/planning-practice-guidance](http://www.gov.uk/government/collections/planning-practice-guidance) [accessed 26 November 2018]

GOV.UK (2018), Ministry of Housing, Communities and Local Government, published: 27 March 2012, last updated: 24 July 2018, Policy Paper: *National Planning Policy Framework* [online]. Available at: [www.gov.uk/government/publications/national-planning-policy-framework--2](http://www.gov.uk/government/publications/national-planning-policy-framework--2) [accessed 26 November 2018]

[Back to top](#)

---

## **Upcoming Revo (formerly BCSC) Research**

Revo (formerly BCSC) continues to develop a research programme that reflects industry knowledge requirements. They continue to undertake challenging projects and are seeking to find a balance between in-depth research and other shorter forms of guidance. Revo (formerly BCSC)'s committees continue to help shape and steer our research and it is through this process that topical and under-researched areas are explored.

Some recently published research includes:

- Beyond Retail: Redefining the shape and purpose of town centres

- CCTV in Shopping Centres and Associated Car Parks
- Building Information Modelling (BIM) – Guide to Best Use
- Protection of Vulnerable People
- Servicing Areas for Shopping Centres

Further Research + Education information and access to documents can be found at Revo community (formerly British Council of Shopping Centres (BCSC)), Research and Education, and **Document listing** [online] available @ [www.revocommunity.org/documents/list](http://www.revocommunity.org/documents/list) [accessed 16 November 2018] and [www.revocommunity.org/insights](http://www.revocommunity.org/insights) [accessed 26 November 2018]

[Back to top](#)

---

## Foster + Partners Projects

Foster + Partner is one of the most innovative architecture and integrated design practices in the world. Over the past four decades the practice has pioneered a sustainable approach to architecture through a strikingly wide range of work, from urban masterplans, public infrastructure, airports, civil and cultural buildings, offices and workplaces to private houses and product design. Based in London, with offices worldwide, the practice has an international reputation, with buildings in six continents. By visiting their website, you can gain further information about their current and past work, upcoming projects and gain access to the following:

- Image gallery,
- Sketches and drawings,
- Construction,
- Facts & Figures, and
- Project downloads

Available via the Foster + Partners website [online] and @ [www.fosterandpartners.com/projects/](http://www.fosterandpartners.com/projects/) [accessed 26 November 2018]



<https://twitter.com/FosterPartners> [accessed 26 November 2018],



<https://www.facebook.com/fosterpartners> [accessed 26 November 2018],



<https://www.linkedin.com/company/foster-&-partners> [accessed 26 November 2018],



<https://www.youtube.com/user/FOSTERANDPARTNERS1> [accessed 26 November 2018]

[Back to top](#)

---

## Building Information Modelling (BIM) -

### What is Building Information Modelling?

-There are many definitions of Building Information Modelling (BIM), but it is simply the means by which everyone can understand a building through the use of a digital model. Modelling and asset in digital form enables those who interact with the building to optimize their actions, resulting in a greater whole life value for the asset.

Through BIM the UK construction industry is undergoing its very own digital revolution, BIM is a way of working; it is information modelling and information management in a team environment, all team members should be working to the same standards as one another. BIM creates value from the combined efforts of people, process and technology.

Source: National Building Specification (NBS), 19 July 2016, 'What is Building Information Modelling (BIM)?' theNBS.com website [online]. Further information is available at [www.thenbs.com/knowledge/what-is-building-information-modelling-bim](http://www.thenbs.com/knowledge/what-is-building-information-modelling-bim) [accessed 26 November 2018]

**Note:** Further information can also be accessed through the above provided web link on: **BIM (Building Information Modelling)** and access to 'what is BIM' video.

[Back to top](#)

## The future of construction – BIM

Building Information Modelling (BIM) can be a valuable tool in the hands of anyone who works in construction. There's no doubt that, the concept of collaborative working is becoming more and more popular through the years. That's why, it's critical for all construction agents to be aware of the different BIM maturity levels:



Source: **Designing Buildings.co.uk Wiki**, (2017) 'The future of construction - BIM' [online], last edited 19 June 2017. Available at: [www.designingbuildings.co.uk/wiki/The\\_future\\_of\\_construction\\_-\\_BIM](http://www.designingbuildings.co.uk/wiki/The_future_of_construction_-_BIM) [accessed 26 November 2018]

### What BIM actually is

To put it simply, BIM refers to a collaborative method of working which is based on the generation and exchange of data and information between the various project parties. Based on this information the full cycle of a building, from conception to completion, can be managed. In that sense, it's an indispensable part of the decision-making process. BIM started gaining attention in the 90's and it has evolved remarkably during the last decades.

There are different levels of shared collaboration in a construction project. Those are known as BIM maturity levels. As we proceed through the levels, the collaboration between the various sides is increasing. At the time being, there are four distinct BIM maturity levels (as shown in the figure above).

Access and further information is provided via the following:

Source: **Designing Buildings.co.uk Wiki**, (2017) 'The future of construction - BIM' [online], last edited 19 June 2017. Further information is available at: [www.designingbuildings.co.uk/wiki/Home\\_and](http://www.designingbuildings.co.uk/wiki/Home_and) [www.designingbuildings.co.uk/wiki/The\\_future\\_of\\_construction\\_-\\_BIM](http://www.designingbuildings.co.uk/wiki/The_future_of_construction_-_BIM) [accessed 26 November 2018]

---

### **NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.



It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone can be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
  - An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then must consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.
- 

[Back to top](#)

## **The National Building Information Modelling (BIM) Library –**

Source: NBS (2016), *NBS National BIM Library* [NBS website > Home > Services > Our Tools > NBS National BIM Library] NBS [online] and available at: [www.thenbs.com/services/our-tools/nbs-national-bim-library](http://www.thenbs.com/services/our-tools/nbs-national-bim-library) & NBS homepage [online] and available at: [www.thenbs.com/](http://www.thenbs.com/) & NBS Knowledge [online] and available at: [www.thenbs.com/topics/index.asp](http://www.thenbs.com/topics/index.asp) [accessed 26 November 2018]

Latest information freely available to access and download incl. **Introducing the BIM Toolkit** [online]. Available at: [www.thenbs.com/topics/BIM/articles/NBS-live-introducing-the-BIM-toolkit.asp](http://www.thenbs.com/topics/BIM/articles/NBS-live-introducing-the-BIM-toolkit.asp) [accessed 26 November 2018]

The National BIM (Building Information Modelling) Library is the construction industry's free-to-use resource of NBS standard BIM content.

- **BIM (Building Information Modelling)**

The revolutionary force of Building Information Modelling continues to reverberate insight and analysis on BIM from NBS incl.

- **NBS Services for BIM**

NBS Services for BIM Projects; NBS Create; NBS Toolkit; NBS National BIM Library; and NBS Plug-ins

- **Further information and guidance incl.**

NBS National BIM Survey 2016; What is BIM? Levels of Information; Employers' information; Are you BIM ready? And latest articles relating to BIM

Source: NBS (2016), *NBS National BIM Library* [online] and available at: [www.thenbs.com/services/our-tools/nbs-national-bim-library](http://www.thenbs.com/services/our-tools/nbs-national-bim-library) & NBS homepage [online] and available at: [www.thenbs.com/](http://www.thenbs.com/) & NBS Knowledge [online] and available at: [www.thenbs.com/topics/index.asp](http://www.thenbs.com/topics/index.asp) [accessed 26 November 2018]

**New Building Specification (NBS), NBS TV - the online video resource servicing built environment professionals.**

- Case Studies • Technical Guidance • Interviews • Leading Industry Figures incl.

**Watch now on NBS TV ⇒ Design and Specification, and Building Technologies – NBS round-up latest articles featuring video content**

Source: The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website **@theNBS** [online]. Further information is available at: [www.thenbs.com/knowledge/video](http://www.thenbs.com/knowledge/video) [accessed 26 November 2018]

The NBS, NBS TV – Design & Specification [online]. Further information and additional programmes are available at: [www.thenbs.com/knowledge/design-specification](http://www.thenbs.com/knowledge/design-specification) [accessed 26 November 2018]

The NBS, NBS TV – Building Technologies, *Lighting Technology – Building in Efficiency* [online]. Further information and additional programmes are available at: [www.thenbs.com/knowledge/lighting-technology-building-in-efficiency](http://www.thenbs.com/knowledge/lighting-technology-building-in-efficiency) [accessed 26 November 2018]

[Back to top](#)

## NBS BIM Toolkit BETA update -

The NBS BIM Toolkit is the easy way to define who is doing what, and when, on your Level 2 BIM projects.

Further information can be accessed at The National BIM Library [online] and available @ [www.thenbs.com/services/our-tools/nbs-bim-toolkit](http://www.thenbs.com/services/our-tools/nbs-bim-toolkit) [accessed 26 November 2018]

[Back to top](#)

## NBS National Building Information Modelling (BIM) Report 2018 [free to download](#) –



Source: [www.thenbs.com](http://www.thenbs.com)

The annual *NBS National BIM Report* is the industry's most comprehensive analysis of the state of Building Information Modelling (BIM) within the UK construction sector.

Now in its eighth year, the latest report is packed with a range of insight and expertise, it gives a snapshot of the changes the industry has been going through since the BIM mandate was implemented in April 2016.

The full, free, report is now available for download (please refer to the web-link provided below) and includes comprehensive analysis of the 2018 findings alongside unrivalled expert analysis of some of the key trends including:

- An introduction from NBS CEO Richard Waterhouse
- A warm welcome to Digital Built Britain from David Philp, Global BIM/IM Consultancy Director at AECOM
- Insights into making BIM work internationally from Peter Barker, Partner at Ryder Architecture
- May Winfield and Sarah Rock explain the idea behind the Winfield Rock Report
- Even more industry insights, and a summary of the report's key findings from NBS Head of Research, Analysis and Forecasting Adrian Malleon.

### What has the 2018 BIM Report shown?

- The majority of those surveyed believe BIM will help to reduce both construction costs and completion times
- Almost two thirds of participants agree that the Government requires BIM on its projects
- BIM usage has increased by 12% compared to last year
- The number of those who have adopted BIM, but who use it only on a minority of projects has dropped from a third to around a quarter
- Lack of in-house expertise is the main barrier to BIM adoption

The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website, *NBS National BIM Report 2017 @theNBS* [online] and available at: [www.thenbs.com/knowledge/the-national-bim-report-2018](http://www.thenbs.com/knowledge/the-national-bim-report-2018) [accessed 26 November 2018]

### NBS National BIM Report 2017 -

The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website, *NBS National BIM Report 2017 @theNBS* [online] and available at: [www.thenbs.com/knowledge/nbs-national-bim-report-2017](http://www.thenbs.com/knowledge/nbs-national-bim-report-2017) [accessed 26 November 2018]

### NBS National BIM Report 2016 -

The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website, *NBS National BIM Report 2016 @theNBS* [online] and available at: [www.thenbs.com/knowledge/national-bim-report-2016](http://www.thenbs.com/knowledge/national-bim-report-2016) [accessed 26 November 2018]

### NBS International BIM Report 2016

- The second NBS International BIM Survey, carried out by NBS, working closely with the International Construction Information Society, provides a fascinating insight into BIM adoption and maturity across five diverse countries.

Source: The NBS (a trading name of RIBA Enterprises Ltd), 25 February 2016, National BIM Library website, Knowledge, *NBS International BIM Report 2016* [online]. Further information and access to the report in full are available at: [www.thenbs.com/knowledge/nbs-international-bim-report-2016](http://www.thenbs.com/knowledge/nbs-international-bim-report-2016) [accessed 26 November 2018]

[Back to top](#)

### Blogging about BIM, Construction and NBS

Source: The NBS (a trading name of RIBA Enterprises Ltd), National BIM Library website [online]. Further information and access to the BLOG are available at: <http://constructioncode.blogspot.co.uk/2015/04/nbs-national-bim-report-2015.html> [accessed 26 November 2018]

[Back to top](#)

## Latest News on BIM -

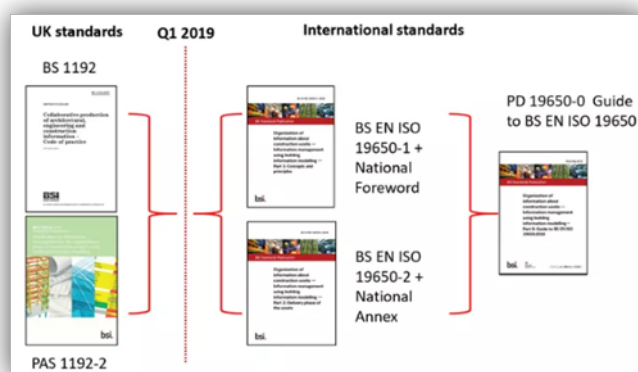
### BIM Around the world – The UK move to International BIM standards

- Kosandiak S, and Philp D explore the BSI's new international standards which will supersede BS 1192 and PAS 1192-2

BSI, the business standards company, is soon to publish (see publication date) the first two significant international standards for BIM. BS EN ISO 19650-1 and BS EN ISO 19650-2 both supersede the current BS 1192 (principles) and PAS 1192-2 (capital delivery phrase).

Both new international standards provide guidance on the organisation of information about construction works and information management using BIM. BS EN ISO 19650-1 considers concepts and principles; BS EN ISO 19650-2 considers the capital and deliver phase.

**Figure 1 – The transition to international standards**



Source: Kosandiak S, and Philp D, BIM+ Staff (2018) 'The UK move to International BIM standards', Chartered Institute of Building (CIOB) website [online] 7 October. Further information is available at: [www.bimplus.co.uk/people/uk-move-iso-bim-standards/](http://www.bimplus.co.uk/people/uk-move-iso-bim-standards/) [accessed 26 November 2018]

The UK's decision to trigger the move from BIM Level 2 as a national standard to international standards is rooted back to 2011 and the *Report for the Government Construction Client Group – BIM Strategy Paper*.

The report encouraged the greater adoption of BIM within the UK domestic construction sector and recognised that BIM would become a disruptive and "game changing" way of working and have a profound effect on global construction.

BIM technologies and processes transcend national or geographic borders. Therefore, during the development of the UK BIM programme there was growing consensus that BIM-globalisation would inevitably push towards international norms and standards.

BSI, in its role as the UK's national standards body, used its existing suite of standards as the basis for the forthcoming international BIM standards. The existing BIM standards were already proven as an effective tool to aid systematic adoption of standardised guidance and were thus a suitable foundation for collaboration with other nations to develop international standards.

The premise of this collaborative approach was that benefits would be realised by all nations, including a common security-minded approach to the adoption of these powerful data/information rich models and tools. Collaterally it was anticipated that such a response would also lay the foundations for a level playing field for international markets and foster trade.

Source: Kosandiak S, and Philp D, BIM+ Staff (2018) 'The UK move to International BIM standards', Chartered Institute of Building (CIOB) website [online] 7 October. Further information is available at: [www.bimplus.co.uk/people/uk-move-iso-bim-standards/](http://www.bimplus.co.uk/people/uk-move-iso-bim-standards/) [accessed 26 November 2018]

## Related Links:

- 1) GCR Staff (2018) 'US company develops "spell checker" for BIM code violations', *Global Construction Review (GCR)*, Chartered Institute of Building (CIOB) website [online] 22 June. Further information is available at: [www.globalconstructionreview.com/news/us-company-develops-spell-checker-bim-code-violati/](http://www.globalconstructionreview.com/news/us-company-develops-spell-checker-bim-code-violati/) [accessed 26 November 2018]
- 2) BIM+ Staff (2018) 'First international BIM standards to be published this year', Chartered Institute of Building (CIOB) website [online] 10 June. Further information is available at: [www.bimplus.co.uk/news/first-international-bim-standards-be-published-yea/](http://www.bimplus.co.uk/news/first-international-bim-standards-be-published-yea/) [accessed 26 November 2018]
- 3) Cousins S (2018) 'Blockchain could hold the key to unlocking BIM Level 3' [online], London: CIOB. Available at: [www.bimplus.co.uk/news/blockchain-could-hold-key-unlocking-bim-level-3/](http://www.bimplus.co.uk/news/blockchain-could-hold-key-unlocking-bim-level-3/) [accessed 26 November 2018]
- 4) CIOB (2018) 'Bentley launches guide to BIM' [online]. Available at: [www.bimplus.co.uk/news/bentley-launches-guide-bim/](http://www.bimplus.co.uk/news/bentley-launches-guide-bim/) [accessed 26 November 2018]
- 5) Coleman A (2017), Chartered Institute of Building (CIOB) – 'Me and my project: BIM and demolition', *Construction Manager* [online], 5 October. Available at: [www.constructionmanagemagazine.com/onsite/me-and-my-project-demolition-design/](http://www.constructionmanagemagazine.com/onsite/me-and-my-project-demolition-design/) [accessed 26 November 2018].
- 6) Papadonikolaki E and Azzouz A (2017), Chartered Institute of Building (CIOB) – 'How your 'BIM champions' can be the key to success', *Construction Manager* [online], 5 September. Available at: [www.constructionmanagemagazine.com/opinion/how-your-bim-champions-can-be-key-success/](http://www.constructionmanagemagazine.com/opinion/how-your-bim-champions-can-be-key-success/) [accessed 26 November 2018].
- 7) Butcher S (2017), Building Research Establishment (BRE) – '**Bringing BIM back to reality**', *Building4Change* [online], 15 June. Available at: [www.building4change.com/article.jsp?id=2829#.WVEI6-vytEY](http://www.building4change.com/article.jsp?id=2829#.WVEI6-vytEY) [accessed 26 November 2018] **ARTICLE #2829** (BRE).
- 8) Snook, K., 18<sup>th</sup> May 2015, Building Research Establishment (BRE), *Building4Change*, *Back to BIM Basics* [online] and available at: [www.building4change.com/article.jsp?id=2644#.VqpB-fmLRaS](http://www.building4change.com/article.jsp?id=2644#.VqpB-fmLRaS) [accessed 26 November 2018], **ARTICLE #2644** (BRE).

- In the rush towards a BIM-enables construction, we should remember what lies at the core of BIM

[Back to top](#)

---

## Latest library resources incl. new book titles, journal articles and research

### Take a look at Taylor and Francis Online, FREE planning and urban design series ebooks

Have you ever wanted a quick snapshot of one of our series but didn't know where to start?

Taylor and Francis Online have compiled a selection of chapters from some of the new and key books in the Planning and Urban Design series and created individual e-books for each one.

Further information is available at **Taylor and Francis Online**, via

[www.routledge.com/reference/posts/4970?utm\\_source=plan&utm\\_medium=cms&utm\\_campaign=sbu3\\_vej\\_3rf\\_8cm\\_3pla\\_rf2v15\\_bls15\\_x\\_plan](http://www.routledge.com/reference/posts/4970?utm_source=plan&utm_medium=cms&utm_campaign=sbu3_vej_3rf_8cm_3pla_rf2v15_bls15_x_plan) [accessed 26 November 2018]

& Taylor and Francis Online, Planning and Urban Design blog @

[www.routledge.com/planning/posts?utm\\_source=banner\\_ad&utm\\_medium=banner&utm\\_campaign=sbu3\\_4mx\\_4ad\\_3pla\\_cmg15\\_eupdatesblog\\_x](http://www.routledge.com/planning/posts?utm_source=banner_ad&utm_medium=banner&utm_campaign=sbu3_4mx_4ad_3pla_cmg15_eupdatesblog_x) [accessed 26 November 2018]

[Back to top](#)

### Read a free collection of research in Higher Education

- Higher Education is rapidly evolving. Questions on technology, open education, the sciences versus the humanities, and diversity abound. Wiley Education hope that the research included in this collection will shed light on these issues, and prompt you to ask new questions about the future and role of higher education around the world.

The Higher Education collection includes sections on:

- Diversity and inclusion in Higher Education,
- Course of Study in Higher Education,
- Higher Education Policy, and
- Higher Education around the World.

**Wiley Online Library**, Education, Higher Education, *Read a free collection of research on Higher Education* [online]. Further information is available at:

[http://onlinelibrary.wiley.com/subject/code/000048/homepage/higher\\_education.htm?dmmsmid=93591&dmm\\_spid=22770103&dmmuid=2438892](http://onlinelibrary.wiley.com/subject/code/000048/homepage/higher_education.htm?dmmsmid=93591&dmm_spid=22770103&dmmuid=2438892) [accessed 26 November 2018]

[Back to top](#)

### Read the most talked about articles in Education!

Altimetric tracks and measure the impact of scholarly research. The 20 article title bellows are the most talked about education articles on Twitter, on Facebook and in the news –

- The effect of Twitter on college student engagement and grades, *Journal of Computer-Assisted Learning*
- Once Upon a Time: Parent-Child Dialogue and Storybook Reading in the Electronic Era, *Mind, Brain & Education*
- The effects of musical training on the decoding skills of German-speaking primary school children, *Journal of Research in Reading*
- Why What Works Wont Work: Evidence-based Practice and The Democratic Deficit in Educational Research, *Educational Theory*
- How and How Not to Prepare Students for the New Tests, *The Reading Teacher*
- Sharing personalised stories on iPads: a close look at one parent-child interaction, *Literacy*
- What is Education For? On Good Education, Teacher Judgement, and Educational Professionalism, *European Journal of Education*

- Specific Reading Comprehension Disability: Major Problem, Myth, or Misnomer? *Learning Disabilities: Research and Practice*
- Boredom in the lecture theatre: An investigation into the contributors, moderators and outcomes of boredom amongst university students, *British Educational Research Journal*
- Parents' experiences of applied behaviour analysis (ABA)-based interventions for children diagnosed with autistic spectrum disorder, *British Journal of Special Education*
- "Not Designed for Us": How Science Museums and Science Centers Socially Exclude Low-Income, Minority Ethnic Groups, *Science Education*
- Twitter for teaching: Can social media be used to enhance the process of learning? *British Journal of Educational Technology*
- To know is not enough: research knowledge and its use, *Review of Education*
- Adolescent Pregnancy's Intergenerational Effects: Does an Adolescent Mother's Education Have Consequences for Her Children's Achievement? *Journal of Research on Adolescence*
- How Ought War to Be Remembered in Schools? IMPACT: Philosophical Perspectives on Education Policy
- Experimental evaluations of elementary science programs: A best-evidence synthesis, *Journal of Research in Science Teaching*
- Is no praise good praise? Effects of positive feedback on children's and university students' responses to subsequent failures, *British Journal of Educational Psychology*
- Second Language Comprehensibility Revisited: Investigating the Effects of Learner Background, *TESOL Quarterly*
- The New Literacies of Online Research and Comprehension: Rethinking the Reading Achievement Gap, *Reading Research Quarterly*
- Enhancing Young Hispanic Dual Language Learners' Achievement: Exploring Strategies and Addressing Challenges, *ETS Research Report Series*

Source: Wiley Education, **Wiley Online Library**. Further information is available at:

<http://dmmclick.wiley.com/view.asp?m=819id1prqndh7ghnsqt6&u=22770103&f=h> [accessed 26 November 2018]

[Back to top](#)

## RICS Library services and e-Resources



Source: UCEM (2016)

RICS (Royal Institution of Chartered Surveyors) is an international professional body and represents everything professional and ethical in land, property and construction. RICS promotes and enforces the highest professional qualifications and standards in the development and management of land, real estate, construction and infrastructure. Their expertise covers property valuation and management; the costing and leadership of construction projects; the development of infrastructure; and the management of natural resources, such as mining, farms and woodland. RICS Library Services [online]. Available at: [www.rics.org/uk/footer/library-services/](http://www.rics.org/uk/footer/library-services/) [accessed 26 November 2018].

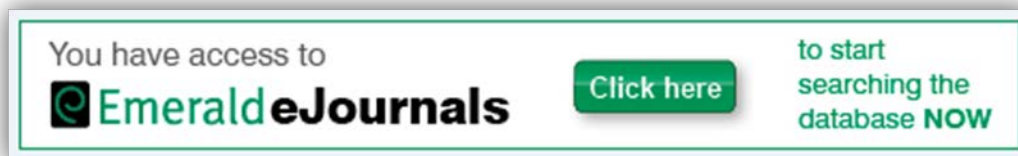
RICS Library services and e-Resources – Similar to the UCEM e-Library, RICS uses DawsonEra as their eBook platform as well as subscribing to EBSCO and Emerald e-Journals. However, whilst RICS only subscribes to 6 specialised Engineering, Construction and Architectural Management titles, **Note:**



## UCEM Library services and e-Resources incl. Emerald Insight – Access provided to the ‘Property Management and the Built Environment’ collection

UCEM students and staff have access to over 120 Full-Text Journals within ‘Emerald Management e-Journals’, in addition to the entire (including Backfiles) ‘Property Management and the Built Environment’ collection including the following titles:

- Built Environment Project and Asset Management
- Construction Innovation: Information, Process, Management
- Engineering, Construction and Architectural Management
- Facilities
- International Journal of Housing Markets and Analysis
- Journal of Corporate Real Estate
- Journal of Engineering, Design and Technology
- Journal of Facilities Management
- Journal of Place Management and Development
- Journal of Property Finance
- Journal of Property Investment and Finance
- Journal of Property Valuation and Investment
- Property Management
- Smart and Sustainable Built Environment
- Structural Survey



**NOTE:** For the above link to work you must ensure that you are logged-in to **Athens (Section 2 of the VLE e-Library)**

Please also refer to the **UCEM e-Library portrait** and **Journal Review** mentioned below that shows a wealth of additional and valuable resources that the UCEM Library offers.

Please also note the **RICS Library Online catalogue** which is an excellent resource. Available at: <http://unicorn.rics.org/uhtbin/cgisirsi.exe/0/0/0/60/69/X> [accessed 26 November 2018]

[Back to top](#)

---

**& finally ....**

### **Hadrian the bricklaying robot builds completed house in three days**

- A bricklaying robot named Hadrian was described in 2015 by Australian firm Fastbrick Robotics as capable of building the brick shell of a house in a matter of days, and it has now managed to complete the task. The 180-sq-m, three-bedroom, two-bathroom structure was completed in under three days by Hadrian X, a new version of the robot.

After completion, Fastbrick Robotics said the structure met verified building standards set by a civil and structural engineering consultancy group.

Mike Pivac, fastbrick Robotics chief executive, said: “We now have the world’s only fully automated, end-to-end bricklaying solution, with a massive market waiting for it.

“We will now take everything we’ve learned to date in the Hadrian X programme and make some refinements ahead of bringing both Hadrian X robots back to our High Wycombe facility for demonstration to key commercial stakeholders.

“We now being the next exciting phase for the Company, as we execute our global commercialisation strategy to capitalise on the significant demand for our technology.

“What we have achieved here is a quantum leap for the construction industry.”

Fastbrick Robotics’ house building follows Factory Acceptance Testing (FAT) at the firm’s test facility, where Hadrian X managed to complete:

- A two-course structure with a full combination of brick sizes, cuts and laying configurations;
- An 11-course pillar structure to demonstrate the Hadrian X’s ability to build from slab to cap height
- A two-room structure demonstrating the Hadrian X’s ability to build a larger structure on a slab from a 3D CAD model with the required accuracy.

Further information is available at:

Source: Quirke J (2018) ‘Hadrian the bricklaying robot builds complete house in three days’, *GCR – Global Construction Review* [online], 15 November. Available at:

<http://www.globalconstructionreview.com/news/hadrian-bricklaying-robot-builds-complete-house-th/>

[accessed 26 November 2018]

[Back to top](#)

---



## Property and Construction Statistics

### **RICS Economy and Property Market Chart Book – Q4 2018**

- Brexit uncertainty features heavily in survey data

“Austerity is coming to an end” was the Chancellor’s closing remark in October’s Budget. On the one hand this might be considered true given the OBR’s claim that the Autumn 2018 Budget represented the largest fiscal loosening since 2010. On the other hand, a combination of Brexit uncertainty, soft productivity growth and a potential moderation in global activity means that the outlook for the economy and the Chancellor’s scope for largess in the coming years is far from clear.

There is little doubt that a consistent improvement in public finances in the run up to the Budget, partly reflected in the £11.9 billion reduction in borrowing projections for this fiscal year (than expected in March), allowed the Chancellor to increase public spending. But despite this considerable fiscal loosening, the OBR projects only a modest improvement in GDP. Economics growth is expected to come in at 1.3% in 2018 (relative to 1.7% in 2017) and remain close to 1.5% per year until 2023.

On a brighter note, as far as households are concerned, inflation has slowed from its five and a half year peak of 3.1% at the end of 2017 to 2.4% in September 2018. Forecasts (from the likes of the OBR, IMF, Oxford Economics and The Bank of England) all expect inflation to drop further in 2019, with most appearing to be reasonably confident that consumer price inflation will reach the Bank’s 2% target by 2020.

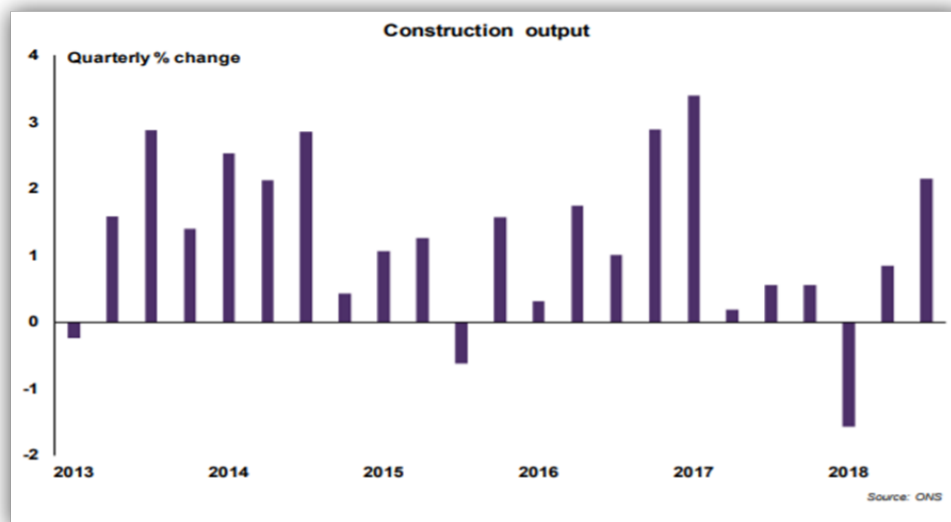
Brexit uncertainty has featured heavily in the latest round of RICS surveys. Contributors to the RICS Residential Market Survey have cited this as one of the main reasons behind subdued activity alongside affordability constraints and lack of available stock.

Turning to the construction sector, the RICS workloads indicator in Q3 2018 Construction and infrastructure Market Survey continued to signal a pick-up in output consistent with the firmer trend in the official data. That said, behind the headline figures, financial constraints and skill shortages were once again cited as one of the main impediments to activity with many contributors expressing concerns over what Brexit will mean for the hiring of skilled workers across the industry. Partly as a result of this, expectations for profit margins have flatlined despite workloads still being projected to rise.

Source: RICS (2018), Knowledge, RICS Market Surveys – *RICS UK Chart Book and Survey Market Updates, Q4 2018*, RICS, London [online]. Available at: [www.rics.org/uk/news-insight/research/market-surveys/uk-chart-book/](http://www.rics.org/uk/news-insight/research/market-surveys/uk-chart-book/) [accessed 26 November 2018].

### Chart 19 – Construction sector

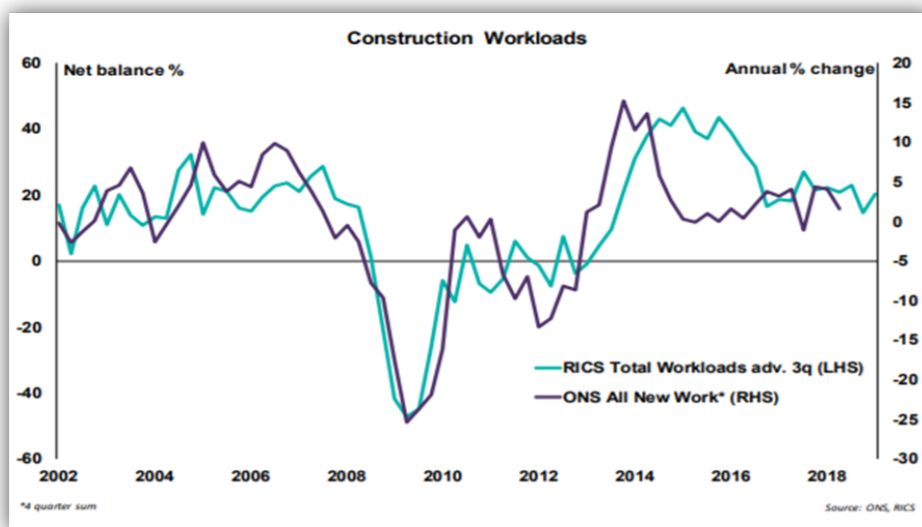
Following a weak opening to 2018, it looks as if activity in the construction industry has recovered over recent months, with the ONS reporting output rose by 2.1% in Q3 following growth of 0.8% in Q2.



Source: RICS Economics Research: *RICS UK Economy and Property Market Chart Book* (Q4, 2018), page 11

### Chart 21 – Construction sector

The RICS headline workloads series is now pointing to a slight pick-up in the pace of construction output beyond Q3, with the net balances rising to +20% in Q3 from +15% in Q2 (this series has a three-quarter lead to official new work measure).



Source: RICS Economics Research: *RICS UK Economy and Property Market Chart Book* (Q4, 2018), page 11

Please note: **RICS > News & Insight > Research > Market Surveys** - RICS Economics' market surveys and reports are freely available from the RICS web site – [www.rics.org/uk/news-insight/research/market-surveys/](http://www.rics.org/uk/news-insight/research/market-surveys/) [accessed 26 November 2018]

These include:

- **UK Residential Market Survey. Note: The latest survey, dated October 2018 (see below)**
- Global Commercial Property Monitors – leading indicators of conditions in commercial property occupier and investor markets around the world.
- **Analysis and discussion papers** – In-depth insights on specific markets, sectors and developments.
- Cyprus Property Price Indices – A quarterly price and rental index that tracks property and rental prices across all districts
- Hong Kong Residential Market Survey – a leading sentiment indicator of conditions in the Hong Kong residential sales and lettings markets.
- RICS/Ci Portuguese Housing Market Survey – a leading sentiment indicator of developments in the Portuguese residential sales and lettings markets.
- RICS/RAU Rural Land Market Survey and Land Prices – the leading survey on demand, supply and prices in the farmland market. The RICS/RAU Farmland Market Directory of Land Prices was launched by RICS's Rural Professional Group after the Farmland Market ceased publication.
- **UK Chart Book** – A monthly snapshot of the UK economy, focusing on the construction, housing and commercial property sectors (**see above**).
- **UK Commercial Market Survey – a leading indicator of developments in the UK commercial property occupier and investor markets. Note: For the latest, please see above.**
- UK Construction and Infrastructure Survey – the leading sentiment indicator of the UK construction and infrastructure markets.

RICS (2018), Research, Market Surveys [online], London: RICS. Available at: [www.rics.org/uk/news-insight/research/market-surveys/](http://www.rics.org/uk/news-insight/research/market-surveys/) [accessed 26 November 2018]

**N.B.** The RICS published reports, entitled i.e. 'UK Commercial Property Market Survey', can be accessed through **ISURV** [online], available via the **VLE e-Library** and **section 5 – Industry Sources**.

Alternatively, please request a copy from the UCEM Library by emailing [library@ucem.ac.uk](mailto:library@ucem.ac.uk).

[Back to top](#)

## **Latest RICS Research/Market Surveys available - [UK Residential Market Survey \(2018\)](#)**

*UK Residential Market Survey* - A leading sentiment indicator of conditions in the UK residential sales and lettings markets, used by the Bank of England and covered across the media.

The UK Residential Market Survey is used by the Government, the Bank of England and other key institutions, including the International Monetary Fund (IMF), as an indicator of current and future conditions in UK residential sales and letting. It is covered extensively in the media and is the leading source of market intelligence, highly regarded both by investors and across the industry.

### **October 2018: UK Residential Market Survey**

#### **Headline price indicator slightly negative**

- Prices now seen falling nationally although some parts of the UK are still recording solid growth
- New buyer demand continues to weaken alongside falling new instructions
- Conditions remain more challenging across higher priced tiers of the market

By visiting the website of the Royal Institution of Chartered Surveyors [online], you can access, read-online and download surveys from the last two years.

For further information, visit the **RICS** website, and select **News & Insight > Research > Market Surveys**, and **UK Residential Market Survey** from the RICS website.

*UK Residential Market Survey, October 2018* [online] and available @ [www.rics.org/uk/news-insight/research/market-surveys/uk-residential-market-survey/](http://www.rics.org/uk/news-insight/research/market-surveys/uk-residential-market-survey/) [accessed 26 November 2018]

**RICS.org.uk** [www.rics.org/uk/](http://www.rics.org/uk/) [accessed 26 November 2018]



<https://twitter.com/RICSNews> [accessed 26 November 2018]



<https://www.facebook.com/ricssurveyors> [accessed 26 November 2018]



<https://www.linkedin.com/groups?gid=88902> [accessed 26 November 2018]

[Back to top](#)

## Barbour API's *Economic & Construction Market Review*

- The *Economic and Construction Market Review* provides valuable insight and market intelligence to help forecast new business opportunities and driver marketing activity.

This monthly round up of construction market intelligence combines data on the UK construction industry trends and analysis with data on the economic climate from previous months. Barbour's Lead Economist Michael Dall compiles the monthly *Economics & Construction Review*, so you can rely on the most valuable, and up-to-date information each and every month.

*Economic and Construction Market Review* includes:

- UK Economic Trends – The latest GDP, unemployment and economic growth figures
- Construction Sector Performance – The latest construction industry figures including information from the Office for National Statistics, the best performing sectors and the levels of construction contracts from across the UK.

Further information and access to the review is available via

Barbour Index API, *Economic and Construction Market Review* [online]. Available at: [www.barbour-abi.com/economic-and-construction-market-review/](http://www.barbour-abi.com/economic-and-construction-market-review/) [accessed 26 November 2018]

[Back to top](#)

## GCR – *Global Construction Review*, '[UK construction profit warnings soar in first half of 2018](#)'

- UK listed construction and materials companies issued six profit warnings in the first half of 2018, double the number in the same period in 2017, according to EY's latest Profit Warnings report.



**Source:** GCR – *Global Construction Review*, 'UK construction profit warnings soar in first half of 2018', Image by Maxmaltey/Dreamstime [online]. Available at: [www.globalconstructionreview.com/news/uk-construction-profit-warnings-soar-first-half-20/#read](http://www.globalconstructionreview.com/news/uk-construction-profit-warnings-soar-first-half-20/#read) [accessed 26 November 2018]

Half way through 2018, the sector has almost matched the seven warnings issued in 2017 overall among listed companies. Bad weather has been blamed for a sluggish start to the year (see publication date), but just one of the six warnings so far this year cited that as a factor, while four cited delayed contracts and uncertainty dragging on demand.

Ian Marson, Construction Leader at EY, said the results drew attention to the sector's "long-standing structural weaknesses".

Problem contracts were a major factor said Marson, who called for more choosiness and better risk management at bidding stage. "With the outlook in question, it feels like a good time to take stock and think about how construction companies can improve resilience and meet the challenges that lie ahead," he said.

Official figures show the construction industry contracting by 0.8% in the cold first quarter but rebounding strongly in May.

The HIS Market Purchasing Managers' Index (PMI) reading for June maintains the comeback theme with a reading of 53.1, the highest reading since November 2017. "We'll need a few more months of data to know if this represents a trend and it's important to note that outside of residential construction, parts of the sector are growing, but at a relatively moderate pace," Marson said.

EY said construction companies are carrying significant overhead in anticipation of bidding and winning new work but this has been slow to materialize, especially from the public sector. According to the Infrastructure and Projects Authority, 18 new projects joined the Government's Major Project Portfolio in the year to April 2018, the lowest number since the IPA started publishing its annual report 6 years ago and 50% fewer than the previous year. "Problem contracts are by far the most common reason for contractor profit warnings," Marson said, "and so it's vital that companies bid selectively for contracts, concentrating on their strengths rather than just seeking to build turnover.

"They also need to apply strong risk management disciplines at the bidding stage to ensure they only take on the right contracts at the right pace – and they ensure that problems are identified and managed quickly."

Further information and access to the review is available via

GCR – *Global Construction Review*, 'UK construction profit warnings soar in first half of 2018' [online]. Available at: [www.globalconstructionreview.com/news/uk-construction-profit-warnings-soar-first-half-20/#read](http://www.globalconstructionreview.com/news/uk-construction-profit-warnings-soar-first-half-20/#read) [accessed 26 November 2018]

[Back to top](#)

## **Latest Statistics from the Office for National Statistics (ONS)**

### **Office for National Statistics (ONS), *Release calendar* [online]**

Office for National Statistics (ONS), *Release calendar* [online] and available @ [www.ons.gov.uk/releasecalendar](http://www.ons.gov.uk/releasecalendar) [accessed 26 November 2018]

The above-mentioned link provides access to the Office for National Statistics (ONS) releases only. For official statistical releases across government [visit the Publication Hub](#) -

**GOV.UK, *Statistics: release calendar*** [online] and available @ [www.gov.uk/government/statistics/announcements](http://www.gov.uk/government/statistics/announcements) [accessed 26 November 2018].

[Back to top](#)

### **Office for National Statistics (ONS) - Construction Industry update**

- Construction of new buildings and repairs or alterations to existing properties in Great Britain measured by the amount charged for the work, including work by civil engineering companies.

Office for National Statistics (2017), Business, industry and trade, Construction industry [online] and available at: [www.ons.gov.uk/businessindustryandtrade/constructionindustry](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry) [accessed 26 November 2018]

From the above-mentioned webpage, you can access

**Datasets, Publications/articles and Methodology**, as well as '**All data**' and '**All publications**'



**Please note:** By visiting the ONS website homepage [online]. Available at: [www.ons.gov.uk/](http://www.ons.gov.uk/) [accessed 26 November 2018]

- From the above-mentioned web-link, you have access to an '**A to Z of statistical bulletins**' where you can select '**C**' and refine to '**Construction**' for the latest items.

[Back to top](#)

## Construction industry highlights include:

### Construction output in Great Britain: September 2018

- Short-term measures of output by the construction industry in Great Britain and contracts awarded for new construction work in the UK

What's in the bulletin?

- Construction output continued to recover following a relatively weak start to the year, increasing by 2.1% in Quarter 3 (July to Sept) 2018; this follows a fall of 1.6% in Quarter 1 (Jan to Mar) 2018 and an increase of 0.8% in Quarter 2 (Apr to June) 2018.
- Quarter 3 (July to Sept) 2018 was driven by all new work which increased by 2.8%, and repair and maintenance which increased by 1.0%.
- Construction output increased by 1.7% between August and September 2018, this was driven by an increase in all new work which increased by 2.8%; this was partly offset by a fall of 0.3% in repair and maintenance.

Office for National Statistics (2018), Construction Industry, *Construction output in Great Britain: September 2018* [online]. Available at: [www.ons.gov.uk/businessindustryandtrade/constructionindustry](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry) [accessed 16 November 2018] and

[www.ons.gov.uk/businessindustryandtrade/constructionindustry/bulletins/constructionoutputingreatbritain/september2018](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/bulletins/constructionoutputingreatbritain/september2018) [accessed 26 November 2018]

[Back to top](#)

## Datasets related to Construction industry incl.

- **Output in the Construction Industry** – Monthly output at current price and chained volume measures seasonally adjusted by public and private sector. Quarterly non-seasonally adjusted type of work and regional data.
- **Output in the Construction Industry, All Work Summary** – Monthly output all work summary at current price and chained volume measure seasonally adjusted by public and private sector
- **New Orders in the Construction Industry** – Quarterly new orders at current price and chained volume measures seasonally adjusted by public and private sector. Quarterly non-seasonally adjusted type of work and regional data.
- **Construction output price indices** – Monthly construction output price indices (OPIs) from January 2014 to June 2018, and
- **Construction Statistics Annual Tables** – These tables cover a wide range of statistics that are currently available on the construction industry.

[Back to top](#)

## Output in the Construction Industry incl.

### **Short-term economic indicators commentary: June 2018, and Construction Statistics Development Programme – [Work plan](#)**

- A summary of the short-term indicators published in early June 2018.

Office for National Statistics (ONS), 11<sup>th</sup> April 2018, Article: *Short-term economic indicators commentary: June 2018* [online]. Available at:

<https://www.ons.gov.uk/economy/economicoutputandproductivity/output/articles/shorttermindicatorseconomiccommentary/june2018> [accessed 26 November 2018].

**Related Link:**

- The [Construction Statistics Development Work Plan](#) (104.4 Kb Pdf) provides users with information on the work that will be completed over the next 12 months, including investigations into both the nominal data and options for measuring construction price statistics.

Office for National Statistics (ONS), 11<sup>th</sup> December 2015, Release: *Output in the Construction Industry, Construction Statistics Development Programme – Work Plan* [online]. Available at: [www.ons.gov.uk/ons/rel/construction/output-in-the-construction-industry/construction-statistics-development-programme---work-plan/index.html](http://www.ons.gov.uk/ons/rel/construction/output-in-the-construction-industry/construction-statistics-development-programme---work-plan/index.html) [accessed 26 November 2018]. **N.B.** This item has been placed with **The National Archives** as the ONS website has now been updated.

[Back to top](#)

## **Construction Statistics, No. 19, 2018 Edition (Latest release)**

- A wide range of statistics on the construction industry in Great Britain: statistical trends, international comparisons and leading initiatives that may influence the future.

Table of contents in this edition incl.

**(1) Main points**, (2) Things you need to know about this release, (3) Construction Output, (4) Construction New orders, (5) Structure of the industry, (6) Employment and earnings, (7) Output price indices (OPIs), (8) Comparisons and contributions to the economy, (9) Housing and planning applications, (10) Building materials, (11) International comparisons, (12) External data sources and previously unpublished tables, (13) Quality and methodology, and (14) Construction statistics engagement and development

Within the section on **Main points** it stipulates

- The value of construction new work in current prices continued to rise in 2017 in Great Britain, reaching its highest level on record at £109,387 million; driven by growth in the private sector, which equates to approximately three-quarters of new work.
- The rise in the value of construction new orders seen since 2011 has continued, in part due to the awarding of several high-value orders relating to High Speed 2 (HS2), which drove the 7.4% increase in new orders in 2017.
- The number of firms operating in the construction industry has continued to rise, increasing by 6.2% compared with the previous year, with 314,590 firms operating in Great Britain in 2017.
- As the number of construction firms has risen, so has the number of insolvencies; the number of new company construction insolvencies grew 3.4% compared with 2016, equating to 2,792 insolvent construction firms.
- Construction-related employment in Great Britain increased by 3.8% in 2017, exceeding its pre-downturn peak of 2007 to reach the highest level on record, with jobs centred around London, the South East and the North West of England
- Average weekly earnings in the construction industry recovered from a fall in 2016, increasing to £607 per week in December 2017, second only to the finance and business services sector.
- The UK trade deficit in construction materials and components continued to widen in 2017, increasing to £9,909 million, with the value of imports more than double the value of exports.

Further information is available at:

Office for National Statistics (ONS), 22 August 2018, *Construction Statistics, No. 19, 2018* [online]. Available at: [www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/number192018edition](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/number192018edition) [accessed 26 November 2018]

### **Related article/Links:**

Office for National Statistics (ONS), 2 October 2017, *Construction Statistics, No. 18, 2017* [online]. Available at: [www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/number182017edition](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/number182017edition) [accessed 26 November 2018]

**Office for National Statistics (ONS), Construction Statistics Articles** [online]. Available at: [www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/previousReleases](http://www.ons.gov.uk/businessindustryandtrade/constructionindustry/articles/constructionstatistics/previousReleases) [accessed 26 November 2018]

**Note:** As of 2016, the Office for National Statistics website was upgraded and by selecting ‘**Construction**’, ‘**Construction Industry**’, ‘**Construction Statistics**’ a wealth of information is available. ONS website @ [www.ons.gov.uk](http://www.ons.gov.uk) [accessed 26 November 2018].

**Office for National Statistics (ONS)** website [online]. Further information is available at: [www.ons.gov.uk/ons/index.html](http://www.ons.gov.uk/ons/index.html) [accessed 26 November 2018]



<https://twitter.com/ONS> [accessed 26 November 2018],





<https://www.facebook.com/ONS> [accessed 26 November 2018],



<https://www.linkedin.com/company/office-for-national-statistics> [accessed 26 November 2018],

**ONS, Browse by Theme** [online] and available @ <http://www.ons.gov.uk/ons/browse-by-theme/index.html> [accessed 26 November 2018]. Please refer to

‘**Business and Energy**’   
‘**Production Industries**’  and  
‘**Building and Construction**’ 

[Back to top](#)

## **Glenigan, provider of UK construction project sales leads, market analysis, forecasting, and company intelligence**

### **Construction Market Analysis**

- Grow your business and reduce risk by using in-depth construction market analysis and robust data-driven forecasts. You can examine performance and prospects nationally; by each of the 12 Government economic regions; and 11 market segments. You can explore the market at the right state of your business whether that is during planning; at the tendering and contract phase; or when projects have started on site. This information and more can be accessed, read-online and downloaded via the

**Glenigan** website [online] and available at: [www.glenigan.com/construction-market-analysis/news/2015-construction-kpis](http://www.glenigan.com/construction-market-analysis/news/2015-construction-kpis) [accessed 26 November 2018]

[Back to top](#)

## **Health and Safety Executive (HSE) – Construction Statistics**




The mission of the Health and Safety Executive (HSE) is to prevent death, injury and ill health in Great Britain’s workplaces. Areas covered within the HSE Website incl.

- Openness
- Standards and performance
- Framework management standards
- Health and safety inspection visits
- Real people vide

The HSE's work covers a varied range of activities; from shaping and reviewing regulations, **producing research and statistics** and enforcing law.

For further information on **HSE's Construction Statistics** visit the following:

Source: Health and Safety Executive (HSE) website and select

'Statistics'   
'Industries'  and  
'Construction' ,

that will take you to 'Construction Industry'.

HSE [online] and further information available at: [www.hse.gov.uk/Statistics/industry/construction/index.htm](http://www.hse.gov.uk/Statistics/industry/construction/index.htm) [accessed 26 November 2018]

HSE, *About us* [online] and further information is available at: [www.hse.gov.uk/aboutus/insidehse.htm](http://www.hse.gov.uk/aboutus/insidehse.htm) [accessed 26 November 2018]

[Back to top](#)

## GOV.UK – Construction Statistics

GOV.UK, Office for National Statistics (2017) National Statistics: ***Impact of improvements to Construction Statistics*** [online]. Available at: [www.gov.uk/government/statistics/impact-of-improvements-to-construction-statistics](http://www.gov.uk/government/statistics/impact-of-improvements-to-construction-statistics) [accessed 26 November 2018]

GOV.UK, Department for Business, Innovation and Skills (BIS), 30<sup>th</sup> January 2013, Collection: *Construction statistics* [online] and further information incl.

- Monthly Statistics of Building Materials and Components;
- BIS Construction Price and Cost Indices Online;
- Construction Key Performance Indicators;
- Output and New Orders in the Construction Industry; and
- Consultative Committee on Construction Industry Statistics (CCIS)) are available at

GOV.UK, Department for Business, Innovation and Skills (BIS), *Construction Statistics* [online] with further information and web links provided @ [www.gov.uk/government/collections/construction-statistics](http://www.gov.uk/government/collections/construction-statistics) [accessed 26 November 2018]

&

House of Commons Library, Briefing Papers incl. [The Construction Industry: statistics and policy](#)

- **Key statistics on the construction industry – employment, new orders, output. Also, construction sector policy initiatives.**

In 2014 the construction industry in the UK contributed £103 billion in economic output, 6.5% of the total.

2.1 million jobs or 6.25 of the UK total were in the construction industry in Q 2015.

The construction industry, particularly house building, fared badly during the recession. Output in the construction sector fell faster than the whole economy in 2008. 2009 saw the sector recover faster than the economy, and 2010 and 2011 saw broadly flat growth, followed by another contraction in 2012 and partial recovery through 2013.

The Coalition Government's strategy paper on the construction industry is *construction 2025*, published in July 2013. The construction industry was also highlighted in the March 2011 *Plan for Growth*.

Rhodes C (2015), *Construction industry: statistics and policy*, House of Commons Library, Briefing Paper Number 01432, 6 October 2015 [online] and available at:

<http://researchbriefings.parliament.uk/ResearchBriefing/Summary/SN01432> [accessed 26 November 2018]

[Back to top](#)



## e-Journal Review

### RICS **Modus** Digital Magazine – October 2018: [The Agile Issue](#)

- Keeping agile is increasingly defining the professional. How are surveyors working to ensure the adaptability of the spaces and technology we all use?

Agility: the ability to move quickly and easily. To change direction effortlessly. It's a word that has taken hold of our professional lives – whether it's being used as a rallying call to modernise, or to describe a mind-set, or to simply refer to the way we work. This month's *Modus* focuses on agility as an expression of the profession: from the use of drones as surveying tools, to the adaptability of people and the spaces we all use.

Everyone's talking about drones and how they will change building surveying and asset management ... but how easy is it to actually fly one, and get your licence? *Modus* sent chartered surveyor Evan Owen-Powell MRICS to drone school to find out and spoke to the RICS professionals who are already using them in their day-to-day.

They meet the RICS professionals who have come to surveying from another walk of life, have changed their specialism, kicked off a new business idea, or moved to a completely new country. What unites them is that they've all taken one big, bold decision to change their career – and never looked back. What have they learned, and was it worth the effort and risk?

That precious pocket of personal outdoor space – a garden, patio, even balcony – is often one of the first things people sacrifice when moving into a city. This is why public parks are so crucial for people's health and wellbeing. But how do you create the green space required by a growing population if there's no space left to begin with? *Modus* speaks to professionals and experts that have been involved in projects that conjure such space – seemingly out of thin air.

And what do you do with an old building that's fallen out of use, and has lost its original *raison d'être*? Knock it down ... or reinvent it? *Modus* take a look at a selection of smart adaptations of old buildings to understand the thought processes behind their creative re-use for a new generation of users.

This digital magazine can be accessed by following the above-mentioned web link.

*Modus* contains regulations sections on **Intelligence / Experience / Features**

#### Intelligence

- **Deconstructed** - Mobility as a Service: future of transport or unviable fantasy?
- **Opinion** – Ann-Marie Aguilar on designing wellbeing into our buildings
- **Chartered territory** - What will be the biggest change to the profession in the next five years?
- **Re-thinking** – Why the health of the UK high street hinges on more than just retail

#### This issues [main features](#) include:

- **Make space for green space** - How do you make something out of nothing? This article looks at what it takes to successfully create new public spaces in the heart of a densely developed city.
- **Adapt to survive** - If there's one thing you could change about your job, what would it be? Everything? *Modus* meet six RICS professionals who did just that – and haven't looked back.
- **Come fly with me** - This article takes to the skies to learn to pilot what's becoming an essential surveying tool, and to speak to the new breed of "drone surveyor" about how they got their wings
- **Second life** - Why reduce to rubble when you can restore and re-purpose? *Modus* profiles five of the best recent projects that prove the only limit to adaptive re-use is your imagination

#### Experience

- **How to ...** Start your own business, as told by the surveyors who've done it
- **What if?** Will artificial intelligence really replace property valuers?

Royal Institution of Chartered Surveyors (RICS), Oliver Parsons, Editor of *Modus*, *Modus*, October 2018 – *Modus: The Agile Issue* [online], RICS, Knowledge, Journals. Available at:

[www.rics.org/uk/news-insight/publications/modus/the-agile-issue/](http://www.rics.org/uk/news-insight/publications/modus/the-agile-issue/) [accessed 26 November 2018]

### **RICS Modus – The Anniversary Issue**

RICS celebrated its 150<sup>th</sup> anniversary in June 2018 and took the opportunity both look back at the rich history of our profession, and to look forward to the future of the built environment, with a special edition of *Modus* Magazine.

- **10 years that changed surveying** - In the 150 years since RICS was founded the world has changed at an inexorable pace. What are the key events that have shaped the Institution's history, and that of the role of the surveyor?

**Please note:** College of Estate Management is mentioned within their history- please refer to page 17 onwards

Royal Institution of Chartered Surveyors (RICS), Oliver Parsons, Editor of *Modus*, *Modus*, June 2018 – *Modus: The Anniversary Issue* [online], RICS, Knowledge, Journals. Available at:

[www.rics.org/uk/news-insight/publications/modus/the-anniversary-issue/](http://www.rics.org/uk/news-insight/publications/modus/the-anniversary-issue/) [accessed 26 November 2018]

**Please note:** In addition to *MODUS*, RICS publishes other journals that are **free** to view online incl.

- *Construction Journal*,
- *Building Surveying Journal*,
- *Building Conservation Journal*,
- *Building Control Journal*,
- *Land Journal*, and
- *Property Journal*.

Source: Royal Institution of Chartered Surveyors (RICS). Further information can be accessed via the RICS Website, News, Journals [online] and available at: [www.rics.org/uk/news-insight/publications/](http://www.rics.org/uk/news-insight/publications/) [accessed 26 November 2018]

[Back to top](#)

---

**Latest issue of *Contractors World International* (Vol. 8, No 3) incl.**

**Contents incl.**

#### **Worldwide Panorama**

- Ukraine: 20 Skid-steer Loaders for Municipalities
- Italy – Spain: Two New Self-Propelled MSPE Trailers
- Australia: JASO cranes hit the skyline in Canberra
- United Kingdom: Gantry Lift for Replacement Rail Bridge Deck
- United Kingdom: Seabed Project on World's Largest Offshore Wind Farm
- United Kingdom: Longest Steel Girder Structure in History
- Austria: Mobile Crushing Technology at 2,800 m above Sea Level
- Saudi Arabia: High Reach in Demand at Refinery and Terminal Project
- Australia: Kick starting Major Infrastructure Project

**USA: Changing Equipment Acquisition Strategy Improve Total Operation**

**Three New Traction Elevators for Industrial Environments**

**Innovative Slop Management Concept**



&

## Flat Roof Restored Efficiently

- Temple Quay in Bristol, UK, a large multi-tenant commercial building, has recently undergone flat roof refurbishment using Pitchmastic's Roodshield PmB waterproofing system.

The existing roof had been the source of several leaks; therefore, a long-term solution was needed that allowed all the plant and equipment plinths on the roofs and walkways to be encapsulated in order to stem the leaks.

The UK's building consultancies contacted USL StructureCare for a solution. After a complete site assessment and free survey by a Pitchmastic PmB specialist, a detailed bespoke specification was issued to the client.

The product forms a seamless polyurethane membrane that bonds to virtually any roof substrate and provides outstanding waterproof protection.

It combines high elasticity with excellent film strength. This means the system will move the roof without splitting or shearing, providing a long-lasting and durable surface.

Any penetration through the existing roof membrane is where water might enter the building. The Roofshield PmB waterproofing system is seamlessly applied by brush roller and encapsulates the entire roof including areas around existing plant machinery, pipes and rainwater outlets.

It provides the ultimate waterproofing protection and solves the problems associated with the long-term waterproofing all of flat roof surfaces.

The system was professionally applied by specialist contractor, USL StructureCare, who is a trained Pitchmastic PmB partner.

Whilst the project presented a number of challenges to the team, not least working on balconies and walkways serving a live commercial property, the works were completed to everyone's satisfaction.

For further information, visit

Contractors World International (2018), 'Flat Roof Restored Efficiently', *Contractors World International* Volume 8, No 3, 2018, Page 47 [online], USL StructureCare. Further information available at: <http://cwmags.com/> [accessed 26 November 2018]

**Contractors World** magazines (incl. **Contractors World International** and **Contractors World UK & Ireland** are the leading international digital publications. Delivering site reports, equipment reviews and comments of interest on the construction, mining, quarrying and related industries [online]. Available at: <http://cwmags.com/> [accessed 26 November 2018]. **Please note** that *Contractors World UK & Ireland* is no longer being published. However, the content continues to be published in the international edition (as shown above).

[Back to top](#)

---

## BIFM Digital Magazine – **FM World** November 2018: the latest issue

**fm-world.co.uk** is the online magazine of the British Institute of Facilities Management (BIFM) and is available to access and view online.

In this latest issue,

### FM Industry News:

- Value of leadership discussed at Workplace Week event
- Movement helps workers' productivity and health
- Loyalty schemes would boost use of work canteens
- Leadership is 'most important factor to impact productivity'
- World's largest companies to shift focus to flexible workspace

### Business News:

- ISS Healthcare to run TFM operation at London NHS
- Essentia obtains spot on NHS estates framework

- ISS's focus on key markets yields continuing organic growth
- Arcus wins £98m-a-year cleaning deal with Sainsbury's
- Interserve shares hit 30-year low

#### **News analysis:**

- Disjointed NHS estates call for Remedial work
- Studies push need for more awareness of smart buildings
- Built environment sector 'Must lead charge against climate change'
- Tougher controls needed on asbestos
- Further progress in evolving EV charging market.

#### **Business analysis:**

- Guardian culture
- Drone roof wards

Source: British Institute of Facilities Management (BIFM), *FM World*, News, 6<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> November and 10<sup>th</sup> October, [fm-world.co.uk](http://fm-world.co.uk) [online]. Further information available at: [www.fm-world.co.uk/](http://www.fm-world.co.uk/) [accessed 26 November 2018] and [www.fm-world.co.uk/news/](http://www.fm-world.co.uk/news/) [accessed 26 November 2018], London: Redactive Publishing Ltd.

[Back to top](#)

---

## **The Heritage Alliance's latest 'Heritage Update' E-Bulletin – November 2018**

Heritage Update is the Heritage Alliance's voice to, and for, the sector. The popular fortnightly e-bulletin offers policy updates, news, a consultation round-up, events / course listings and job vacancies.

The latest issue (1 November 2018) that can be accessed and downloaded (for personal use as reference) from the above-mentioned web link and contains further information on the following:

### **Heritage Update E-Bulletin**

#### **Headlines:**

- Food for thought at the Heritage Debate 2018
- **Historic England publishes 'Heritage and the Economy 2018'**
- Historic Pools of Britain joins The Heritage Alliance
- **Apprenticeship #HeritageChat Summary**
- Secure your ticket for the Heritage Day – Thu 6 December 2018!
- Guest editor

#### **News round-up:**

- **Autumn Budget 2018: summary**
- **DCMS publishes 'A connected society: A strategy for tackling loneliness'**
- The Royal Historical Society published the 'Race, Ethnicity & Equality Report'
- Government announces its endorsement to the Slate Industry of North Wales for addition to the World Heritage List
- **'No deal Brexit': how will it affect the heritage sector?**
- Funding for farmers
- The Fisheries Bill
- **Cadw publishes "Historic Environment update" No. 9**
- National Trust and HLF launch a new £10 million 'Future Parks Accelerator' fund for public parks and green spaces
- National Churches Trust: results of the ComRes poll
- **Historic Houses published an important research on Heritage Maintenance Funds**

- Sara Crofts appointed Chief Executive of ICON
- English Heritage launches the Once & Future Fund
- Final report of the '21<sup>st</sup> Century Challenges for Archaeology' published
- Theatres Trust publishes the Annual Report 2017/18
- Applications open for the SPAB's John Betjeman Award 2019
- Shortlist announced: Historic England Angel Awards 2018
- **National Trust celebrates 50<sup>th</sup> renewable energy programme installation (further information below within The Sustainability Hub)**
- **The Research Centre for Museums and Galleries (RCMG) of the University of Leicester publishes the report 'Prejudice and Pride. An analysis of visitor engagement and response'.**
- Discover the best autumn days out with the kids with Visit Heritage
- 2020 World Monuments Watch nominations are open!

#### Have your say

- Open consultations incl.
- **Planning reform: supporting the high street and increasing the delivery of new homes**

and more.

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

**Lucy Top Searching Tip** - This online edition also has a search function that allows you to view articles from current and archived editions.



[https://twitter.com/Heritage\\_NGOs](https://twitter.com/Heritage_NGOs) [accessed 26 November 2018]



<https://www.linkedin.com/grp/home?gid=4898001> [accessed 26 November 2018]

[Back to top](#)

## Historic England publishes 'Heritage and the Economy 2018'

The 2018 'Heritage and the Economy' report confirms that the heritage sector plays a crucial part in the England economy, with a total GVA of £29 billion (equivalent to 2% of national GVA) and 459,000 people employed.

Heritage attracts 236.6 million tourists every year, fascinated by the 'uniqueness' of places. The source of this distinctiveness is heritage, which shapes people's perception of places and attracts the concentration of local firms, creative industries and start-ups. Indeed, investments in Historic Environment generally increased local business' turnovers.

Heritage adds value to properties and the report states that the popularity of historic areas is increasing. English heritage attracted 236.6 million domestic and international tourists in 2016 and generated an estimated £16.9 billion in tourist spend.

Volunteers involved in the heritage sector totalled 616,000 in 2016 (5.7% of the total number of volunteers in England).

#### Related Link:

Historic England (2018) 'Heritage and the Economy' [Historic England website > Home > Research > Heritage Counts > Heritage and the Economy], Historic England [online]. Available at: <https://historicengland.org.uk/research/heritage-counts/heritage-and-economy/> [accessed 26 November 2018]

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## Autumn Budget 2018: summary

The Chancellor of the Exchequer, Rt Hon Philip Hammond MP, presented the **2018 Budget** on 29<sup>th</sup> October. The Budget sets out the Government's plans for the British economy.

Overall, the Chancellor stated that this Budget seeks to favour hard-working families after the period of austerity. The Chancellor reported that the economy continues to grow, and the Office for Budget Responsibility (OBR) forecasts 800,000 more jobs by 2022, while unemployment is at its lowest rate since 1975. GDP is expected to grow in 2019.

Regarding Brexit, the Government reports that it is confident of getting a good deal. However, a further £1.5bn has been allocated to prepare for the 'unlikely event' of a 'no deal scenario', with an additional £500 million allocated for 2019-20.

DCMS funding will remain stable at £1.5bn over the next two years.

The Heritage Alliance particularly welcomes the launch of the Future High Streets Fund (£675 million), which will include £55 million for heritage-based regeneration, restoring historic high streets to boost retail and bringing properties back into use as homes, offices and cultural venues.

Heritage-related items of note include:

- The Government's commitment to fund £120 million towards the UK Festival of Innovation and Creativity. The Festival will deliver a programme of events on arts, culture, design and tech across the country, and will help attract new inward investment;
- The Government's commitment to invest £8.5 million Coventry City of Culture 2021;
- The Government's commitment to provide support for local communities for the First World War and Holocaust commemoration (£1.7 million)

### Related Links:

GOV.UK, HM Treasury (2018) Policy Paper: 'Budget 2018' [GOV.UK Website > Home > Budget 2018: documents] GOV.UK [online]. Available at: [www.gov.uk/government/publications/budget-2018-documents/budget-2018](http://www.gov.uk/government/publications/budget-2018-documents/budget-2018) [accessed 26 November 2018]

**Heritage Update: the online edition** (2018) 'Autumn Budget 2018: Summary' [online]. Available at: [www.theheritagealliance.org.uk/update/autumn-budget-2018-summary/](http://www.theheritagealliance.org.uk/update/autumn-budget-2018-summary/) [accessed 26 November 2018]

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## DCMS publishes 'A connected society. A strategy for tackling loneliness'

After having announced a programme for reducing loneliness on 15<sup>th</sup> October 2018 the DCMS published 'A connected society. A strategy for tackling loneliness', a report that sets out the approach to tackling loneliness in England. In the next few years the Government will introduce several measures, in particular:

- Raising awareness about loneliness and fostering connections between communities;
- Improving social prescribing services, connecting the different schemes across the country;

- Encouraging community-led housing programmes;
- Opening accessible spaces for communities;
- Funding a new scheme to address loneliness;

The report fosters an integrated strategy across the sectors.

The heritage sector can play an important role in building bridges with the NHS to expand social prescribing. The Heritage Alliance is working on a report exploring the relationship between Heritage and Health and how heritage volunteering and other activities related to heritage sites can help address loneliness, social exclusion and improve our quality of life.

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## ‘No deal Brexit’: how will it affect the heritage sector?

On 12<sup>th</sup> October 2018 a **third batch of technical notes** was published by the Government to prepare British citizens in case of a ‘no deal scenario’.

Further guidance has been published on the following topics that may affect heritage sector: trade in goods, and business regulations.

For the first topic, mutual **recognition of professional qualifications** will be affected. The Mutual Recognition of Professional Qualifications (MRPQ) Directive will no longer apply. The UK will ensure that professionals arriving in the UK from the European countries after the exit date will have a means to seek recognition of their qualifications. European professionals who have already received a recognition decision in the UK will not be affected and the recognition will remain valid. Further notice will be given for future arrangements affecting those who have not started a recognition process.

Regarding the **trade in cultural goods**, EU’s cultural objects licensing system for exporting outside EU will no longer apply. Therefore, after 29 March 2019 if there’s no deal, only the UK licensing system will apply. EU licences issued by the Arts Council England (responsible for issuing the licenses) before exit day would be valid for export at UK borders after exit day for the duration of their validity (as well as restrictions and obligations). The licensing system does not apply for import onto the UK or the EU.

### Related Links:

GOV.UK, Department for Exiting the European Union (2018) Collection: ‘How to prepare if the UK leaves the EU with no deal’ [GOV.UK website > Home > Government > Brexit] GOV.UK [online]. Available at: [www.gov.uk/government/collections/how-to-prepare-if-the-uk-leaves-the-eu-with-no-deal](http://www.gov.uk/government/collections/how-to-prepare-if-the-uk-leaves-the-eu-with-no-deal) [accessed 26 November 2018]

GOV.UK, Department for Business, Energy & Industrial Strategy (2018) Guidance: ‘Providing services including those of a qualified professional if there’s no Brexit deal’ [GOV.UK > Home > Government > Brexit] GOV.UK [online]. Available at: [www.gov.uk/government/publications/providing-services-including-those-of-a-qualified-professional-if-theres-no-brexiteal](http://www.gov.uk/government/publications/providing-services-including-those-of-a-qualified-professional-if-theres-no-brexiteal) [accessed 26 November 2018]

GOV.UK, Department for Digital, Culture, Media & Sport (2018) Guidance: ‘Exporting objects of cultural interest if there’s no Brexit deal’ [GOV.UK > Home > Exporting objects of cultural interest if there’s no Brexit deal] GOV.UK [online]. Available at: [www.gov.uk/government/publications/exporting-objects-of-cultural-interest-if-theres-no-brexiteal/exporting-objects-of-cultural-interest-if-theres-no-brexiteal](http://www.gov.uk/government/publications/exporting-objects-of-cultural-interest-if-theres-no-brexiteal/exporting-objects-of-cultural-interest-if-theres-no-brexiteal) [accessed 26 November 2018]

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## Cadw publishes “Historic Environment Update” No. 9

The newly published “Historic Environment Update” deals with the following issues

- The new Ecclesiastical Exemption (Listed Buildings and Conservation Areas) (Wales) order 2018 (will come into force on 1 January 2019), which will make some important changes to the ecclesiastical exemption regime in Wales;
- The new publication **Understanding Listing in Wales**, which explains how to ask for a building to be listed or delisted, and how to request a review of a listing decision;
- The **priorities for the Historic Environment of Wales** set out by the Minister for Culture, Tourism and Sport;
- The consultation on **Climate Change Adaptation Plan**

### Related Links:

CADW (2018) ‘Priorities for the Historic Environment of Wales’ [CADW Website > Home > Historic Environment > Policy & Legislation > Priorities for the Historic Environment Wales] CADW [online]. Available at: <https://cadw.gov.wales/historicenvironment/policy/ministerialprioritiesforthehistoricenvironment/?lang=en> [accessed 26 November 2018]

CADW (2018) ‘Climate Change’ [CADW Website > Home > About CADW > Partnerships and Projects > Partners > Historic Environment Group > Climate Change] CADW [online]. Available at: <https://cadw.gov.wales/about/partnershipsandprojects/partners/histenvgroup/climatechange/?lang=en> [accessed 26 November 2018]

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## Historic Houses published an important research on Heritage Maintenance Funds

Historic Houses (HH) have recently published research on Heritage Maintenance Funds, commissioned to an independent team of economists. The fund has existed since 1976 for maintenance and repair of significant buildings open to the public.

The income generated within them is now however taxed at 45%. The new Green Book compliant HH research shows that a tax rate reduced to 20% would be a win-win choice (benefit for the nation and the owners) and would help with access to and conservation of the historic environment, of which historic buildings are a significant element.

### Related Link:

IHBC – The Institute of Historic Building Conservation (2018) ‘New research from Historic Houses – Heritage Maintenance Fund tax changes could add £85m to the economy!’ [IHBC NewsBlog Archive], 26 October. Available at: <https://ihbconline.co.uk/newsarchive/?p=20589> [accessed 26 November 2018]

Further information is available at:

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## The Research Centre for Museums and Galleries (RCMG) of the University of Leicester publishes the report ‘*Prejudice and Pride*’. An analysis of visitor engagement and response’



The RCMG has recently published the report related to visitor engagement and response to the National Trust's programme 'Challenging Histories', focused in 2017 on LGBTQ heritage. Results show that 71% of visitors supported Prejudice and Pride. Overall, the programme stimulated visitors' reflections on LGBTQ culture, challenging sometimes existing feelings and preconceptions. Even though quality is one of the priorities in Government's agenda, the topic still divides public opinion. As this report demonstrates, heritage can be used to foster debate and stimulate reflection.

**Related Link:**

Dodd J, Plumb S [et al] *Prejudice and Pride: An analysis of visitor engagement and response* [online], Leicester: University of Leicester. Available at: <https://le.ac.uk/museum-studies/alumni/connect/newsletters/april-2017/prejudice-pride> [accessed 26 November 2018]

Further information is available at:

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

---

## Latest Edition of **Open Praxis** –

Open Praxis (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education.

Open Praxis [online]. Available at: <http://openpraxis.org/index.php/OpenPraxis> [accessed 26 November 2018] and

Open Praxis Archives [online]. Further information available at <http://openpraxis.org/index.php/OpenPraxis/issue/archive> [accessed 26 November 2018]



This work is licensed under a [Creative Commons Attribution 3.0 License](https://creativecommons.org/licenses/by/3.0/). ISSN: 2304-070X

## Open Praxis, Volume 10, No. 2, April - June (2018)

Papers (available in full-text versions) include the following:

### Editorial -

**Title:** Transforming Education through Open Approaches. Introduction to selected papers

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** This special *Open Praxis* issue includes selected papers presented at the Open Education Consortium Global Conference, held in Delft (The Netherlands) on April 24-26, 2018.

**Keywords:** Open education; OER; open education practice; MOOC; distance education.

**Reference:** Gil-Jaurena I (2018) 'Transforming Education through Open Approaches. Introduction to selected papers', *Open Praxis*, 10(2): pp99-101.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.862> [accessed 26 November 2018]

**Title:** Days of future passed, the history of OEGlobal in titles

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** This special *Open Praxis* issue contains some of the almost 180 accepted contributions of this years' Open Education Global conference (OEGlobal), organised in Delft from 24-26 April 2018. These annual global conferences are organised by the Open Education Consortium (until 2014 named Open Courseware Consortium), together with a local institution. The first edition in this series of conferences was organised in 2005 by the Utah State University in Logan.

**Keywords:** OER; Open Education; Higher Education; pedagogy; policy.

**Reference:** Schuwer R (2018) 'Days of future passed, the history of OEGlobal in titles', *Open Praxis*, 10(2): pp103-107.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.861> [accessed 26 November 2018]

## Research articles / 2018 Open Education Global Conference Selected Papers

-

**Title:** Mapping the open education landscape: citation network analysis of historical open and distance education research

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** The term open education has recently been used to refer to topics such as Open Educational Resources (OERs) and Massive Open Online Courses (MOOCs). Historically its roots lie in civil approaches to education and open universities, but this research is rarely referenced or acknowledged in current interpretations. In this article the antecedents of the modern open educational movement are examined, as the basis for connecting the various strands of research. Using a citation analysis method, the key references are extracted, and their relationships mapped. This work reveals eight distinct sub-topics within the broad open education area, with relatively little overlap. The implications for this are discussed and methods of improving inter-topic research are proposed.

**Keywords:** Open education; distance education; citation network analysis; social network analysis.

**Reference:** Weller M, Jordan K, DeVries I, and Rolfe V (2018) 'Mapping the open education landscape: citation network analysis of historical open and distance education research', *Open Praxis*, 10(2): pp109-126.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.822> [accessed 26 November 2018]

**Title:** Conceptualising OEP: A review of theoretical and empirical literature in Open Educational Practices

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** Conceptualisations of open educational practices (OEP) vary widely, ranging from those centred primarily on the creation and use of open education resources (OER) to broader definitions of OEP, inclusive of but not necessarily focused on OER. The latter, referred to in this paper as expansive definitions of OEP, encompass open content but also allow for multiple entry points to, and avenues of, openness. This paper

explores the theoretical and empirical literature to outline how the concept of OEP has evolved historically. The paper aims to provide a useful synthesis of OEP literature for education researchers and practitioners.

**Keywords:** open education; open educational practices; OER; OEP; OEP theory.

**Reference:** Cronin C, and MacLaren I (2018) 'Conceptualising OEP: A review of theoretical and empirical literature in Open Educational Practices', *Open Praxis*, 10(2): pp127-143.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.825> [accessed 26 November 2018]

**Title:** The potential role of Open Educational Practice policy in transforming Australian higher education

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** Open Educational Practices (OEP) have played an important role in assisting educational institutions and governments worldwide to meet their current and future educational targets in widening participation, lowering costs, improving the quality of learning and teaching and promoting social inclusion and participatory democracy. There have been some important OEP developments in Australia, but unfortunately the potential of OEP to meet some of the national educational targets has not been fully realised and acknowledged yet, in ways that many countries around the world have. This paper will gather, discuss, and analyse some key national and international policies and documentation available as an attempt to provide a solid foundation for a call to action for OEP in Australia, which will hopefully be an instrument to assist and connect practitioners and policy makers in higher education.

**Keywords:** open educational practice; OEP; OEP policies; higher education policy; Australia.

**Reference:** Bossu C, and Stagg A (2018) 'The potential role of Open Educational Practice policy in transforming Australian higher education', *Open Praxis*, 10(2): pp145-157.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.835> [accessed 26 November 2018]

**Title:** Assessing the Potential Toward Open Educational Practices in Kyrgyzstan

**ISSN:** 2304-070X

**Publisher:** International Council for Open and Distance Education (ICDE)

**Abstract:** The study was undertaken to understand the propensity for increased engagement with open educational practices (OEP), to include methods prioritizing student-centered teaching and learning, and awareness, use, and the development of open educational resources (OER) among higher education faculty in Kyrgyzstan. The study employed a mixed-methods research design, combining qualitative and quantitative data obtained from 35 faculty, librarians, and administrators in institutions of higher education in Kyrgyzstan. This study aimed to identify current teaching practices and learning resource usage practices, gauge levels of knowledge regarding Kyrgyzstan's Copyright law, Creative Commons licences, and Open Education Resources, and investigate perceptions regarding potential roles for libraries in enabling others' learning regarding Copyright and Creative Commons, and open educational resources. Analysis of the results revealed a higher than expected gravitation toward student-centered pedagogy than previously assumed. The study also identified broad use of digital downloads as learning materials, conflation of open educational resources with free online resources, and positive perceptions of libraries' potential to instruct regarding Kyrgyz copyright, Creative Commons, and open educational resources, and needs for further professional development training for librarians.

**Keywords:** Open Educational Practices; Open Educational Resources; Teaching & Learning; Kyrgyzstan

**Reference:** Walz A, and Bekbalaeva J (2018) 'Assessing the Potential Toward Open Educational Practices in Kyrgyzstan', *Open Praxis*, 10(2): pp159-177.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.834> [accessed 26 November 2018]

**Title:** Designing Continuing Professional Development MOOCs to promote the adoption of OER and OEP

ISSN: 2304-070X

Publisher: International Council for Open and Distance Education (ICDE)

**Abstract:** There is growing interest in the adoption of open educational resources (OER) and open educational practices (OEP) in a variety of contexts. Continuing professional development (CPD) among practitioners in the effective adoption of OER and OEP is critical in this scenario. Massive open online courses (MOOCs), which also grew as part of the open education movement, provide a feasible means for this purpose. MOOCs are considered a 'disruptive innovation' in making free and open learning opportunities accessible to large numbers. Yet, the design of an effective massive online course that is as robust as a great online course with smaller student numbers where good principles of teaching and learning are maintained, is very challenging. Most contemporary MOOCs tend to have a content-driven focus of knowledge transmission, deviating from its original focus of knowledge generation. With the intention of providing learning experiences to promote learner engagement with OER, rather than presenting content about OER, we designed four CPD MOOCs to support the integration of OER and adoption OEP by practitioners based on a scenario-based learning (SBL) approach. This paper presents the analysis and design phases of this process, discussing the challenges faced and innovative strategies adopted in our pursuit to answer the question, "How best to design effective MOOCs on OER and OEP for continuing development of practitioners?"

**Keywords:** MOOC design; Continuing Professional Development; Open Educational Resources; Open Educational Practices; Scenario-based Learning; Learning Experience Design

**Reference:** Karunanayaka S, Naidu S, Rajendra, J, and Ariadurai S (2018), 'Designing Continuing Professional Development MOOCs to promote the adoption of OER and OEP', *Open Praxis*, 10(2): pp179-190.  
doi: <http://dx.doi.org/10.5944/openpraxis.10.2.826> [accessed 26 November 2018]

**Title:** Collaborative design of Open Education Practices: An Assets based approach

ISSN: 2304-070X

Publisher: International Council for Open and Distance Education (ICDE)

**Abstract:** This paper outlines a collaborative approach to the design of open educational resources (OER) with community stakeholders, so they can be shared with other community practitioners openly, online and repurposed for other contexts. We view curriculum not as something that educationalists provide but rather something that emerges as learners engage with an educational context. We draw on a Project consisting of a partnership between five European Institutions of Higher Education and a range of community stakeholder groups. The partnership will develop a suite of OER for community workers who are implementing assets-based approaches in different contexts. We argue that these approaches are negotiated in that one cannot decide how they might operate in a given context without engaging in deliberative discussion. The challenge for us as open education practitioners is how to turn those deliberations into OER and to highlight the important pedagogical aspect of the design process.

**Keywords:** Collaboration; Design; Assets based Approaches; Open Educational Practice; Collaborative Open Educational Resources.

**Reference:** Miller K, McIntyre R, and McKenna G (2018) 'Collaborative design of Open Educational Practices: An Assets based approach', *Open Praxis*, 10(2): pp191-199.  
doi: <http://dx.doi.org/10.5944/openpraxis.10.2.833> [accessed 26 November 2018]

**Title:** Opening the Curriculum through Open Educational Practices: International experience

ISSN: 2304-070X

Publisher: International Council for Open and Distance Education (ICDE)

**Abstract:** A successful international learning initiative focusing on student agency began with a link facilitating OE-enhanced teaching between a UK university and a US high school class. It became an international trip organised and funded by five UK students and their teacher who travelled to California, teaching and performing music across formal and informal learning settings. The project is now a credit-bearing class, retaining the original initiative's openness within the university curriculum where final-year students collaborate with the teacher, self-organising to design and plan curricular details from travel logistics to musical interactions.

Students engage in heutagogy, demonstrating the highest levels of autonomous, personal learning in this co-learning environment. Their assessment, a reflective journal, encourages engage with deeper learning processes. The original trip was documented as an eBook including 10,000 student-authored words telling their collaborative learning journey. The book was published without DRM an accessible model for other students and educators.

**Keywords:** Student-led; Collaboration; Co-learning; Curriculum development; Open curriculum; Open educational practice

**Reference:** Ritchie L (2018) 'Opening the Curriculum through Open Educational Practices: International experience', *Open Praxis*, 10(2): pp201-208.

doi: <http://dx.doi.org/10.5944/openpraxis.10.2.821> [accessed 26 November 2018]

[Back to top](#)

---

## **EURODL (European Journal of Open, Distance and E-Learning) –**

**EURODL (European Journal of Open, Distance and E-Learning)** is an electronic, multi-media, [open access journal](#). It publishes the accounts of research and presents scholarly work and solid information about open, distance, online and e-learning in technology-enhanced education and training in its most inclusive definition.

**Incl.** Liyanagunawardena T, Scalzavara S, **University College of Estate Management (UCEM)** and Williams S, University of Reading (2017) 'Open Badges: A systematic Review of Peer Reviewed Publishers Literature (2011-2015)', EURODL

Open badges are a digital representation of skills or accomplishments recorded in a visual symbol that is embedded with verifiable data and evidence. They are created following a defined open standard, so that they can be shared online. Open Badges have gained popularity around the world in recent years and have become a standard feature of many learning management systems. This paper presents a systematic literature review of the published open badges literature from 2011 to 2015. Through database searches, searching the internet and chaining from known sources, 135 relevant peer-reviewed papers were identified from a corpus of 247 publications for this review. The authors believe this to be the first effort to systematically review literature relating to open badges. The review categorised publications while also providing quantitative analysis of publications according to publication and contributors. After assessing the literature suggestions for future research directions are presented, based on under-represented areas.

Liyanagunawardena T, Scalzavara S, University College of Estate Management (UCEM) and Williams S, University of Reading (2017) 'Open Badges: A systematic Review of Peer Reviewed Publishers Literature (2011-2015)', De Gruyter Open, *European Journal of Open, Distance and E-Learning - EURODL* [online], 8 September. Available at: [www.eurodl.org/?p=current&sp=full&article=754](http://www.eurodl.org/?p=current&sp=full&article=754) [accessed 26 November 2018]

**EURODL (European Journal of Open, Distance and E-Learning) – Overview** [online]. Available at: [www.eurodl.org/](http://www.eurodl.org/) and <https://content.sciendo.com/view/journals/eurodl/eurodl-overview.xml> [accessed 26 November 2018]

**Most downloaded articles (as of 16 November 2018)** incl.

1. Predicting Dropout Student: An Application of Data Mining Methods in an Online Education Program by Yukselturk E [et al.]
2. The Flipped-Classroom Approach: The Answer to Future Learning? By Kurtz G, Tsimmerman A [et al.]
3. Who are the Open Learners? A Comparative Study Profiling Non-Formal Users of Open Educational Resources by Farrow R
4. B-learning Quality: Dimensions, Criteria and Pedagogical Approach by Peres P, Lima L [et al.]
5. A Systematic Review Of The Socio-Ethical Aspects Of Massive Online Open Courses, by Rolfe V

6. Exploring the Factors Associated with MOOC Engagement, Retention and the Wider Benefits for Learners by Petronzi D and Hadi M
7. Cross-Cultural Communication and Collaboration: Case of an International e-Learning Project by Toprak E and Genc-Kumtepe E
8. MOOCs As a method of distance education in The Arab World – A Review Paper by Adham R S and Lundqvist K O
9. Teachers' Use and Acceptance of Gamification and Social Networking Features of an Open Repository by de los Arcos B, Faems B [et al.]
10. Research Trends in Turkish Distance Education: A Content Analysis of Dissertations, 1986-2014 by Bozkurt A, Kumtepe E G [et al.]

Access to these articles are available within the above-mentioned web-link.

[Back to top](#)

---

## **OLC Online Learning Journal – Latest issue published**

**LATEST NEWS:** The MERLOT Journal of Online Learning and Teaching (JOLT) was a peer-reviewed, open-access, online publication that promoted scholarship in the use of the Internet and web-based multimedia resource in higher education.

The MERLOT community is now joining with the Online Learning Consortium (OLC – formerly Sloan-C) to expand scholarly research in the field of online education, with a merger of the Journal *Online Learning* (formerly JALN) and the *Journal of Online Learning and Teaching* (JOLT). Further information is available at Online Learning Consortium [online] and available at: <https://onlinelearningconsortium.org/read/olc-online-learning-journal/> [accessed 26 November 2018]

### **Papers in this latest issue of *Online Learning Journal* incl.**

This issue of OLJ presents 13 articles researching Massive Open Online Courses (MOOCs), leadership perspective, student engagement, academic integrity, pedagogy, and support. These papers advance our understanding of online learning with insights from a broad array of national and international investigators using quantitative, qualitative, and mixed methods approaches to inquiry.

The Online Learning Consortium's premier journal dedicated to the development and dissemination of new knowledge at the intersection of pedagogy, emerging technology, policy, and practice in online environments.

#### **Table of Contents**

##### **Special Issue [S.I.]: Online Learning Consortium Conference**

- Picciano A G (2018) 'Introduction to Special Issue: Best Papers Presented at the OLC 2017 Accelerate Conference on Online Learning and the Innovate 2018 Conference' *Online Learning Journal* [online], 22(3). Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1547> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1547> [accessed 26 November 2018]
- Introduction to the Special Issue: Best Papers Presented at the OLC 2017 Accelerate Conference on Online Learning and the Innovate 2018 Conference.
- Daziuban C, Howlin C [et al.] (2018) 'Adaptive Learning: A Stabilizing Influence Across Disciplines and Universities', *Online Learning Journal* [online], [S.I.], 22(3). Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1465> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1465> [accessed 26 November 2018].
- This study represents an adaptive learning partnership among The University of Central Florida, Colorado Technical University, and the platform provider Realizeit. A thirteen-variable learning domain for students forms the basis of a component invariance study. The results show that four dimensions: knowledge acquisition, engagement activities, communication and growth remain constant in nursing and mathematics courses across the two universities, indicating that the adaptive modality stabilizes learning organisation in multiple disciplines. The authors content that similar collaborative partnerships among universities and vendors is an important next step in the research process.



**Keywords:** Adaptive learning, learning analytics, online learning, digital learning, principal components analysis

- Chen C-C (2018) '**Gamify Online Courses with Tools Built into Your Learning Management System (LMS) to Enhance Self-Determined and Active Learning**', *Online Learning Journal*, [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1466> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1466> [accessed 26 November 2018]

- "Gamified" active learning has been shown to increase students' academic performance, engagement, and make more social connections than standard course settings. However, the costs to use an educational game design with efficient delivery of the game/course plan can be problematic. Our first objective was to evaluate the effectiveness of gamification by using existing techniques (e.g., simple HTML-based games) and readily available collaborative tools (e.g. Wikis) from a typical learning management system (LMS) such as Blackboard. Moreover, our second objective was to examine students' attitudes towards gamification (e.g., usefulness). Data were collected from 2015 to 2017 (n=80) at a Midwestern university in the United State using a mixed methods approach. For the quantitative method, online surveys were conducted in an experimental group (class with implementation of gamification) and control group (class without any gamified activities) that were randomly selected from graduate level statistics courses. For the qualitative method, the researcher conducted semi-structured interviews with subject who addressed their interests to be interviewed during the online survey. A Welch's independent t-test revealed a significant difference ( $p < 0.001$ ) in the mean exam scores of experiment and control groups. A difference favoured the classes with gamification. More than 70% of students agreed that gamified activities were either extremely or highly useful in helping them review and/or understand fundamental concepts. In conclusion, using built-in LMS tools to design gamified learning activities may enhance students' learning outcome/effectiveness, provide more diversified learning methods and motivation, and offer easy modifications for different learning needs.

**Keywords:** Gamification; game-based learning; online learning; engagement.

- Gering C S [et al.] (2018) '**Strengths-Based Analysis of Student Success in Online Courses**', *Online Learning Journal*, [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1464> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1464> [accessed 26 November 2018].

- Online courses today (see publication date) give a broad, diverse population access to higher education. Despite postsecondary institutions embracing this opportunity, scholarly literature reveals persistent concern over low retention rates in online courses. In response to this concern, an explanatory sequential, mixed methods study was conducted in three phases at a public research university to simultaneously explore personal, circumstantial, and course variables associated with student success from a strengths-based perspective. Existing data on student enrolments across four years were analysed. A subset of Phase One students from a single semester were invited in the second phase to complete an assessment of non-cognitive attributes and personal perceptions, followed in the third phased by interviews among a stratified sample of successful students from the previous phase to elaborate on factors impacting their success. Quantitative analyses identified seven individual variables with statistical and practical significance for online student success. Interestingly, the combination of factors classified as predictive of success changed with student academic standing. The impact of differential success factors across academic experience may explain mixed results in previous studies. The themes that emerged from the interviews with students were congruent with quantitative findings. A unique perspective was shared when students discussed "teaching themselves," providing additional insight into perceptions of teaching presence not formerly understood. The combination of a more contextual research approach, a strengths-based perspective, and insights from student perceptions yielded implications for educational practice.

**Keywords:** online courses; online learning; student success; postsecondary education; higher education.

- Cundell A, and Sheepy E (2018) '**Student Perceptions of the Most Effective and Engaging Online Learning Activities in a Blended Graduate Seminar**'. *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1467> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1467> [accessed 26 November 2018].

- The principal concern of this research was to learn more about effective designs of learning activities in blended courses. A questionnaire was administered in three sections of a not-for-credit intensive blended graduate seminar in university teaching. The online activities included readings, videos, discussion forum activities and

other activities using a range of web-based technologies. Students rated each of the activities on four target criteria: alignment with the course learning outcomes, deep learning, engagement, and value. Students also were asked to identify the most useful activities for each of the five modules and evaluate the course as a whole in terms of navigation, expectations, instructions, availability of materials, instructor presence, and technical quality of media. The results suggest that students' perceptions of the activities followed very similar patterns across the four target criteria. The most highly-rated activities had four distinct design, which are discussed.

**Keywords:** Online Engagement; student engagement; higher education; blended learning; hybrid learning.

- Dennen V P [et al.] (2018) '**Effective Tagging Practices for Online Learning Environment: An Exploratory Study of Tag Approach and Accuracy**'. *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1471> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1471> [accessed 26 November 2018].

- This exploratory study examines student tagging activity within a five-week social bookmarking unit. Students in six sections of a course were tasked with locating, tagging, and then highlighting and discussing course-related materials using Diigo, a social bookmarking tool. Three different tagging approaches were tested: dictionary only, freestyle only, and dictionary + freestyle. Analysis focused on accuracy after a single brief lesson. The dictionary-only approach led to fewer tags overall as well as fewer single-use tags than freestyle tagging. It also resulted in students applying useful classes of tags, such as type of content, that did not emerge within the freestyle tag groups' folksonomies. However, freestyle tagging was not without its merits, and provided opportunities for students to include tags that reflect relevant interests and more specific topics that were not addressed in the tag dictionary. The combined approach, if carefully taught and applied, appears to have the greatest potential for supporting student information literacy skills.

**Keywords:** Social bookmarking; tagging; online knowledge base; higher education; folksonomy.

- Cook V S, And Gregory R L (2018) '**Emerging Technologies: It's Not What YOU Say – It's What THEY do**'. *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1463> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1463> [accessed 26 November 2018].

- This paper is provided for OLC 2018 Special Edition from a 2018 *Innovate* Presentation in Nashville Tennessee. We will explore various emerging technologies at the writing of this article. It is important to note that, the authors believe that learning is not a complete circle when evaluated by what educators do, the technologies we use, nor how we communicate our knowledge to our students. Learning is only successful when we fully assess the impact of our preparations and presentations on student outcomes. Students need the opportunity to actively participate in the *doing* of learning. Modelling the literacies needed to skilfully enable us to meet the needs of our future world through strong use of technologies in a hauntological settings enables learning success.

**Keywords:** Emerging technologies, heutagogy, high-impact learning.

## Section II

- Shea P (2018) '**Introduction to Section II**'. *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1535> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1535> [accessed 26 November 2018].

- This issue of *Online Learning* contains four papers from our regular submission process for the journal. The studies in this section examine facilitation of productive discourse, uses of social media, interaction, and student success in online learning environments.

- Nachowitz M (2018) '**Scaffolding Progressive Online Discourse for Literacy Knowledge Building**', *Online Learning Journal*, [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1261> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1261> [accessed 26 November 2018]

- Drawing on research from online, knowledge-building, and discussion-based learning, this design-based experiment captures the instructional moves theorized to develop student capacity in progressive, literary discourse. The experiment employed Knowledge Forum and its unique capacity to scaffold student learning of progressive discourse that results in an explanatory model, theory, or literary interpretation. Analysis of student discussion posts within and between two iterative phases suggest that explicit instruction in progressive discourse, combine with regular classroom debriefings of online discussion, contributed to student mastery. Additionally, the use of sentence starters aligned with each Knowledge Forum scaffold for progressive discourse

provided positive outcomes. Implications for using online, progressive, literary discourse scaffolds to inculcate disciplinary thinking and discussion appropriate to the secondary English/Language Arts class are discussed.

**Keywords:** online discussion, knowledge building, literacy, secondary English education

- Koseoglu S, and Bozkurt A (2018) '**#DigPed Narratives in Education: Critical Perspectives on Power and Pedagogy**', *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1370> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1370> [accessed 26 November 2018].

- This mixed methods study addresses a knowledge gap in the nature and effects of networked scholarship. We analyse #DigPed, a Twitter hashtag on critical pedagogy, through the lens of Tufekci's Capacities and Signals framework in order to understand (1) how educational narratives develop and spread on #DigPed, and (2) the nature of their capacities. Using Social Network Analysis and thematic analysis of content, we identify three prominent narratives in the network and discuss the network structures from a critical perspective. Based on the findings, we propose pedagogic capacity – the power to initiate a productive and potentially transformative educational discourse, within one's self and narratives in education. Findings confirm the view that networked spaces are organised by hidden hierarchies marked by influence.

**Keywords:** #DigPed, critical online pedagogy, gatekeeping, hashtag community.

- Fleming R, [et al.] (2018) '**Increasing Undergraduate Success: A Randomized Controlled Trial of U-Pace Instruction**', *Online Learning Journal* [S.I.], 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1317> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1317> [accessed 26 November 2018].

- *U-Pace* instruction, comprised of concept mastery and amplified assistance, has shown promise in increasing undergraduate success. To evaluate the efficacy of *U-Pace* instruction for students at-risk for college non-completion and students not at-risk and to determine whether concept mastery, amplified assistance, or both *U-Pace* components are responsible for the greater learning associated with *U-Pace* instruction, an experiment was conducted with four instructional conditions (*U-Pace*, Concept Mastery, Amplified Assistance, and Face-to-face). At a public university, 914 undergraduates (576 at-risk) participated. *U-Pace* instruction produced greater learning than the comparisons. Additionally, *U-Pace* instruction produced greater academic success than Face-to-Face instruction. The percentage of final grades of A or B did not differ for Concept Mastery, Amplified Assistance, and *U-pace* students. No interaction between instructional condition and risk status was found for final grades or learning. The efficacy of *U-Pace* instruction for both at-risk students and students not at-risk was supported.

**Keywords:** online learning, instructor support, mastery, student success, U-Pace instruction.

- Cung B, Xu D [et al.] (2018) '**Increasing Interpersonal Interactions in an Online Course: Does Increased Instructor E-mail Activity and a Voluntary In-Person Meeting Time Facilitate Student Learning?**', *Online Learning Journal*, [S.I.] 22(3). ISSN 2472-5730. Available at: <https://olj.onlinelearningconsortium.org/index.php/olj/article/view/1322> [accessed 26 November 2018]. doi: <http://dx.doi.org/10.24059/olj.v22i3.1322> [accessed 26 November 2018].

- Distance learning is expanding rapidly in universities. While theoretical and qualitative literature stress the critical role of effective interpersonal interactions in motivating students and facilitating learning in online environments, quantitative evidence on the benefits of increased interpersonal interactions on student learning outcomes is limited. This study examines the effect of providing a voluntary meeting time and increasing instructor e-mail activity on student grades in a fully online Pre-Calculus course at a public university. Student selection into courses was minimal since students only had access to one condition at a time. We further use a propensity score matching strategy to address demographic variations in student characteristics across cohorts. Our results indicate that the increased interpersonal interaction opportunities increased final exam scores by 0.22 standard deviations and improved passing rates by 19 percentage points. The Rosenbaum's sensitivity analysis indicators that it is unlikely that these results are due to omitted variable bias.

**Keywords:** at-risk students, computers and learning, educational policy, higher education, instructional technologies, instructional practices.

**Source:** *Online Learning Journal* [online], **Volume 22, No. 3, September 2018**. Available at <https://olj.onlinelearningconsortium.org/index.php/olj> [accessed 26 November 2018] Online Learning Consortium (OLC)

#### **Related Links:**

**MERLOT – Multimedia Educational Resource for Learning and Online Teaching** [online] and further information available at: <https://www.merlot.org/merlot/index.htm> [accessed 14 November 2018]. **JOLT**, MERLOT's Journal for Online Learning and Teaching [online] and available at: <http://jolt.merlot.org/index.html> [accessed 26 November 2018]

## ***The State of Innovation in Higher Education: A Survey of Academic Administrators***

This report explores the drivers and barriers to innovation at U.S. higher education institutions. The report, which is based on a survey of more than 100 U.S. academic administrators, reveals what an innovative culture looks like and how higher education institutions define and employ innovation.

A joint project of The Learning House, Inc. and the Online Learning Consortium (OLC) [online]. Available at: <https://onlinelearningconsortium.org/read/state-of-innovation-in-higher-education/> [accessed 26 November 2018]

[Back to top](#)

## **The Open Education Research Hub ([OER Hub](#))**

The Open Education Research Hub (OER Hub) research the impact of open educational resources (OER) in teaching and learning practices.

**OER Hub – Researching Open Education** gathers research on the impact of open educational resources (OER) on learning and teaching practices. The OER Research Hubs intention is to respond to a need from the OER world for more research on which they can base their decisions. The Research Hub shares evidence that is gathered through mixed methods research including interviews, surveys, focus groups, critical incidence analysis, activity theory and analysis of learning design. Findings are likely to be of interest to a wide range of stakeholders in the education sector. The project is based at [The Open University's \(OU\) Institute of Educational Technology](#) and is the OU's flagship project for research into open education and OER.

Open Educational Resources (OER) Research Hub [online]. Further information is available at <http://oerhub.net/> [accessed 16 November 2018].

Within the OER Hub there are sections on

**Publications** incl. research articles, book chapters and conference proceedings

**Research and Outputs** Incl. Academic publications, presentations, non-traditional outputs, and openly licensed data.

**& Case Studies** incl. examples of collaborations and activities highlighting areas of research or data analysis carried out for key clients.

Example articles/papers in the most recent **Summary of Research Dissemination** (available to download from the below mentioned link and under 'Publications') include:

Articles from *Open Praxis* highlighted earlier in this eBulletin, as well as

- De los Arcos B, Farrow R, Weller M, and McAndrew P (2016) 'Personalising learning through adaptation: Evidence from a global survey of K-12 teachers' perceptions of their use of open educational resources', *Journal of Online Learning Research*, 2(1), 23-40. Association for the Advancement of Computing in Education (AACE). Accessible via the [LearnTechLib](#) (The Learning and Technology Library) [online]. Available at: [www.editlib.org/p/151664](http://www.editlib.org/p/151664) [accessed 26 November 2018]
- Farrow R, de los Arcos B, and Weller M (2015) 'Who are the Open Learners? A Comparative Study Profiling Non-Formal Users of Open Educational Resources', *European Journal of Open, Distance and E-learning*, 18(2) [online]. Available at: <http://oro.open.ac.uk/44962/> [accessed 26 November 2018]
- Pitt R (2015) 'Mainstreaming Open Textbooks: Educator Perspectives on the Impact of OpenStax College open textbooks', *The International Review of Research in Open and Distributed Learning (IRRODL)* 16(4): 133-155 [online]. Available at: [www.irrodl.org/index.php/irrodl/article/view/2381](http://www.irrodl.org/index.php/irrodl/article/view/2381) [accessed 26 November 2018]
- Deimann M, and Farrow R (2013) 'Rethinking OER and their use: Open Education as Building', *International Review of Online and Distance Learning* 14(3) [online]. Available at: [www.irrodl.org/index.php/irrodl/article/view/1370/2542](http://www.irrodl.org/index.php/irrodl/article/view/1370/2542) [accessed 26 November 2018].
- McAndrew P, and Scanlon E (2013) 'Open learning at a distance: lessons for struggling MOOCs', *Science*, 342 pp. 1450-1451 [online]. Available at: <http://oro.open.ac.uk/39736/> [accessed 26 November 2018]
- McAndrew P, and Farrow R (2013) "Open Education Research: From the Practical to the Theoretical" in McGreal, R., Kinuthia, W. and Marshall, S. (eds) *Open Educational Resources: Innovation, Research and Practice*. Commonwealth of Learning and Athabasca University, Vancouver. pp.65-78 [online]. Available at:

<https://oerknowledgecloud.org/content/open-education-research-practical-theoretical> [accessed 26 November 2018].

- De Liddo A, Buckingham S S, McAndrew, P, and Farrow, R. (2012) 'The Open Education Evidence Hub: A Collective Intelligence Tool for Evidence Based Policy'. In Okada, A. (ed.) *Open Educational Resources and Social Networks: Co-Learning and Professional Development*. London: Scholio Educational Research & Publishing [online]. Available at: [http://oer.kmi.open.ac.uk/?page\\_id=1201#.V6NI\\_esrJhE](http://oer.kmi.open.ac.uk/?page_id=1201#.V6NI_esrJhE) [accessed 26 November 2018].

Open Educational Resources (OER) 'Summary of Research Dissemination - OER Hub' [OER Hub – Researching Open Education homepage > Research & outputs > Publications] OER Hub [online]. Further information is available at: <http://oerhub.net/> [accessed 26 November 2018].

#### Related links:

Open University (OU) UK [online] and available at: [www.open.ac.uk/](http://www.open.ac.uk/) [accessed 26 November 2018]

Open University (OU) UK, Institute of Education Technology [online] and available at: [www.open.ac.uk/iet/main/](http://www.open.ac.uk/iet/main/) [accessed 26 November 2018]

[Back to top](#)

## The Directory of Open Access Journals (DOAJ) –

The Directory of Open Access Journals covers all open access scientific and scholarly journals using a quality control system to guarantee the content.

The aim of the DOAJ is to increase the visibility and ease of open access scientific and scholarly journals, therefore promoting increased usage and impact.

#### Some key DOAJ facts (as of 26/11/2018):

- **12,329** journals
- **9,372** journals searchable at article level
- **129** countries
- **3,527,440** articles

The Directory of Open Access Journals (DOAJ) <https://doaj.org/> [accessed 26 November 2018]

[Back to top](#)



## e-Journal Review cont.

### Taylor and Francis Online

Every month I will be highlighting a few full-text e-Journals that are currently available through the UCEM e-Library.

This month we focus on the latest articles from those Taylor & Francis Online / Routledge journals that we now have full subscription to and this includes access to the archive of back issues (from 1995 for those journals that have print that go back that far and to the current day) incl.

- **Construction Management and Economics**
- **Building Research and Information, and**
- **Journal of Property Research.**



## Construction Management and Economics

**1. Construction Management and Economics** (CME) is the leading international refereed journal that publishes original research concerning the management and economics of building and civil engineering, while also including the management of built facilities.

Taylor and Francis, *Construction Management and Economics* [online]. Available at: [www.tandfonline.com/toc/rcme20/current](http://www.tandfonline.com/toc/rcme20/current) [accessed 16 November 2018]

Example articles/papers in the most recent issue include:

- **Liminal roles in construction project practice: exploring change through the roles of partnering manager, building logistic specialist and BIM coordinator**

Gustavsson T K (2018) '**Liminal roles in construction project practice: exploring change through the roles of partnering manager, building logistic specialist and BIM coordinator**', *Construction Management and Economics*, 36(11), pp599-610, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/01446193.2018.1464197](https://doi.org/10.1080/01446193.2018.1464197) [accessed 26 November 2018]

- **The influence of quality benefit and marginal contribution on the optimal equity structure of the PPP projects: balancing public and private benefits**

Wang B, Zhang S [at al.] (2018) '**The influence of quality benefit and marginal contribution on the optimal equity structure of the PPP projects: balancing public and private benefits**', *Construction Management and Economics*, 36(11), pp611-622, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/01446193.2018.1468079](https://doi.org/10.1080/01446193.2018.1468079) [accessed 26 November 2018]

- **Where do I go from here? Motivated reasoning in construction decisions**

Fellows R F and Anita M M Liu (2018) '**Where do I go from here? Motivated reasoning in construction decisions**', *Construction Management and Economics*, 36(11), pp623-634, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/01446193.2018.1472386](https://doi.org/10.1080/01446193.2018.1472386) [accessed 26 November 2018]

- **Digital disruption of the AEC industry: technology-oriented scenarios for possible future development paths**

Lavikka R, Kallio J [at al.] (2018) '**Digital disruption of the AEC industry: technology-oriented scenarios for possible future development paths**', *Construction Management and Economics*, 36(11), pp635-650, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/01446193.2018.1476729](https://doi.org/10.1080/01446193.2018.1476729) [accessed 26 November 2018]

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

## Building Research and Information

**2. Building Research and Information** (BRI) is a leading international refereed journal focused on buildings and their supporting systems. Unique to BRI is a focus on a holistic, trans-disciplinary approach to their life: planning, briefing, design, construction, occupation and use, property exchange and evaluation, maintenance, alteration and end of life. Published articles provide conceptual and evidence-based approaches which reflect the complexity and linkages between cultural, environmental, economic, social, organisational, quality of life, health, well-being, design and engineering of the built environment.

**BRI's wide scope embraces:**

- The linkages between the built, natural, social and economic environments, with an emphasis on the interactions between theory, policy and practice: impacts on ecologies, resources (water, energy, air, materials, buildings stocks etc.), sustainable development (social, economic, environmental, and natural capitals) and climate change (mitigation and adaptation).
- The (design, technical, social, organisational, economic) performance, impacts, assessment, contributions, improvement and value of buildings, building stocks and related systems.
- The supply chain capabilities to innovate, design, create, maintain and improve the performance of both buildings and products



- Changing demands and aspirations for architectural design, development and property
- Formulation of public policy; research, academic and innovation capabilities; organisational structures and networks; engagement between research users, policy makers and practitioners to effectively support the above scope and objectives.

Taylor and Francis, *Building Research and Information* [online]. Available at: [www.tandfonline.com/toc/rbri20/current](http://www.tandfonline.com/toc/rbri20/current) [accessed 26 November 2018]

Example information/ research articles/papers in the most recent issue:

#### Research:

##### - Domestic demand-side response on district heating networks

Sweetnam T, Spataur C [et al.] (2018) '**Domestic demand-side response on district heating networks**', *Building Research & Information*, 47(4), pp330-343, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1426314](https://doi.org/10.1080/09613218.2018.1426314) [accessed 26 November 2018]

##### - Domestic demand-side response with heat pumps: controls and tariffs

Sweetnam T, Fell M, Oikonomou E [et al.] (2018) '**Domestic demand-side response with heat pumps: controls and tariffs**', *Building Research & Information*, 47(4), pp344-361, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1442775](https://doi.org/10.1080/09613218.2018.1442775) [accessed 26 November 2018]

##### - Designing trust: how strategic intermediaries choreograph homeowners' low-carbon retrofit experience

de Wilde M and Spaargaren G (2018) '**Designing trust: how strategic intermediaries choreograph homeowners' low-carbon retrofit experience**', *Building Research & Information*, 47(4), pp362-374, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1443256](https://doi.org/10.1080/09613218.2018.1443256) [accessed 26 November 2018]

##### - Developing English domestic occupancy profiles

Aragon V, Gauthier S, [et al.] (2018) '**Developing English domestic occupancy profiles**', *Building Research & Information*, 47(4), pp375-393, London: Taylor and Francis Online, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2017.1399719](https://doi.org/10.1080/09613218.2017.1399719) [accessed 26 November 2018]

##### - Drivers for retrofit: a sociocultural approach to houses and inhabitants

Tjørring L, and Gausset Q (2018) '**Drivers for retrofit: a sociocultural approach to houses and inhabitants**', *Building Research & Information*, 47(4), pp394-403, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1423722](https://doi.org/10.1080/09613218.2018.1423722) [accessed 26 November 2018]

##### - Quantifying the impact of building envelope condition on energy use

Jeon J, Lee J [et al.] (2018) '**Quantifying the impact of building envelope condition on energy use**', *Building Research & Information*, 47(4), pp404-420, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1448959](https://doi.org/10.1080/09613218.2018.1448959) [accessed 26 November 2018]

##### - Pressure transient suppression in drainage systems of tall buildings

Gormley M, and Kelly D A (2018) '**Pressure transient suppression in drainage systems of tall buildings**', *Building Research & Information*, 47(4), pp421-436, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2017.1412097](https://doi.org/10.1080/09613218.2017.1412097) [accessed 26 November 2018]

#### Information

##### - A window of one's own: a public office post-occupancy evaluation

Meir I A, Schwartz M, [et al.] (2018) '**A window of one's own: a public office post-occupancy evaluation**', *Building Research & Information*, 47(4), pp437-452, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1434366](https://doi.org/10.1080/09613218.2018.1434366) [accessed 26 November 2018]

##### - Design for maintainability of high-rise vertical green facades

Chew M Y L, Conejos S (2018) '**Design for maintainability of high-rise vertical green facades**', *Building Research & Information*, 47(4), pp453-467, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1471868](https://doi.org/10.1080/09613218.2018.1471868) [accessed 26 November 2018]

##### - Is activity-based working impacting health, work performance and perceptions? A systematic review

Engelen L, Chau J, [et al.] (2018) '**Is activity-based working impacting health, work performance and perceptions? A systematic review**', *Building Research & Information*, 47(4), pp468-479, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1440958](https://doi.org/10.1080/09613218.2018.1440958) [accessed 26 November 2018]

#### Commentary

#### - Defining resilience for the US building industry

Kurth M H, Keenan J M [et al.] (2018) '**Defining resilience for the US building industry**', *Building Research & Information*, 47(4), pp480-492, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09613218.2018.1452489](https://doi.org/10.1080/09613218.2018.1452489) [accessed 26 November 2018]

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

### Journal of Property Research

**3. Journal of Property Research** welcomes original papers on any area of real estate investment and development. These may be theoretical, empirical, case studies or critical literature surveys.

There are two major areas of focus:

- Property investment and finance. This covers topics such as the characteristics of property as an investment class, forecasting of markets and property portfolio construction. Much of this research will be an application to property of techniques developed in other investment markets.
- Land development. This covers a wide range of issues surrounding the development and redevelopment of property. The focus may be financial, economic or environmental; urban or rural; public or private sector.

Taylor and Francis, *Journal of Property Research* [online]. Available at: [www.tandfonline.com/toc/rjpr20/current](http://www.tandfonline.com/toc/rjpr20/current) [accessed 26 November 2018]

Example **Latest articles**/papers in the most recent issue include:

#### - Hedonic pricing and the spatial structure of housing data – an application to Berlin

Gröbel S, and Thomschke L (2018) '**Hedonic pricing and the spatial structure of housing data – an application to Berlin**', *Journal of Property Research*, 35(3), pp185-208, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09599916.2018.1510428](https://doi.org/10.1080/09599916.2018.1510428) [accessed 26 November 2018]

#### - Complexity in valuation practice: an inquiry into valuers' perceptions of task complexity in the Dutch real estate market

Klamer P, Bakker C [et al.] (2018) '**Complexity in valuation practice: an inquiry into valuers' perceptions of task complexity in the Dutch real estate market**', *Journal of Property Research*, 35(3), pp209-233, DOI: [10.1080/09599916.2018.1510429](https://doi.org/10.1080/09599916.2018.1510429) [accessed 26 November 2018]

#### - The implied internal rate of return in conventional residual valuation of development sites

Crosby N, Devaney S [et al.] (2018) '**The implied internal rate of return in conventional residual valuations of development sites**', *Journal of Property Research*, 35(3), pp234-251, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09599916.2018.1457070](https://doi.org/10.1080/09599916.2018.1457070) [accessed 26 November 2018]

#### - The impacts of cross-border tourists on local retail property market: an empirical analysis of Hong Kong

Ling-Hin L, Cheung K S [et al.] (2018) '**The impacts of cross-border tourists on local retail property market: an empirical analysis of Hong Kong**', *Journal of Property Research*, 35(3), pp252-270, London: Taylor and Francis Online, Informa UK Limited, DOI: [10.1080/09599916.2018.1511628](https://doi.org/10.1080/09599916.2018.1511628) [accessed 26 November 2018]

**Please note:** that this journal can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Taylor and Francis Online** via the **Resources** tab.

[Back to top](#)

## Henry Stewart Publications



**Please note:** that the below-mentioned journals can be accessed (IN FULL) via the **VLE e-Library**, and by logging into **Athens – Section 2**, and by selecting **Ingenta Connect** via the **Resources** tab incl. following journals incl.

- Applied Marketing Analytics
- **Corporate Real Estate Journal**
- Cyber Security: A Peer-Reviewed Journal
- Journal of Airport Management
- Journal of Brand Strategy
- **Journal of Building Survey, Appraisal and Valuation**
- Journal of Business Continuity & Emergency Planning
- Journal of Cultural Marketing Strategy
- **Journal of Data Protection & Privacy**
- Journal of Digital & Social Media Marketing
- Journal of Digital Banking
- Journal of Digital Media Management
- **Journal of Education Advancement & Marketing**
- Journal of Financial Compliance
- Journal of Payments Strategy & Systems
- Journal of Risk Management in Financial Institutions
- Journal of Securities Operations & Custody
- **Journal of Supply Chain Management, Logistics and Procurement**
- **Journal of Urban Regeneration and Renewal**
- Management in Healthcare: A Peer-Reviewed Journal

[Back to top](#)



### e-Journal Review Archive

When I started my role as the UCEM Information Governance Manager, I catalogued over **2000** e-Journal titles onto the A-Z Directory (section 3 of the VLE e-Library) and accessed via Athens.

Whilst cataloguing I was wondering how many of these e-Journals are actually being used within 'Recommended Reading' or 'Study Material' development by Tutors? Therefore, in each monthly e-bulletin I will be highlighting a few e-Journals that are available and accessed through the UCEM Athens gateway as a current awareness service.

**Please Note:** the below e-Journals are available in Full-Text copies

The following journals have been reviewed thus far, i.e.

<b>A</b>	Accounting Education (JAI)	<b>F</b>	'Foresight', an international bi-monthly journal concerned with the study of the future
<b>B</b>	Building Research and Information	<b>H</b>	International Journal of <b>Housing Markets and Analysis</b>
	Business and Management in Higher Education (BMHE)	<b>I</b>	Internet Research
	Business Economics		Interactive Technology and Smart Education
	Journal of Economic Studies	<b>L</b>	Landlord and Tenant Review
<b>C</b>	Campus-Wide Information Systems		International Journal of <b>Law and Management</b>
	Construction Management & Economics		International Journal of <b>Law in the Built Environment</b>
	Construction Innovation: Information, Process, Management		International Journal of <b>Law and Management</b>
	Construction Law Journal and Construction Newsletter	<b>M</b>	<b>Journal of Management and Sustainability</b>
	Construction Management and Economics		Management Research Review
	Construction Newsletter		International <b>Marketing Review</b>
	Journal of <b>Construction Research</b>	<b>O</b>	Journal of <b>Online Learning and Teaching</b> (JOLT)
<b>D</b>	Development and Learning in Organisations		<b>Open Praxis</b> , a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education.
	International Journal of <b>Disaster Resilience in the Built Environment</b>		International Journal of <b>Organisational Analysis</b>
	Disaster Prevention and Management	<b>P</b>	Journal of <b>Planning and Environmental Law</b>
<b>E</b>	Oxford Bulletin of <b>Economics and Statistics</b>		Practice-based Learning
	Journal of <b>Economic Education</b>		Journal of <b>Property Investment and Finance</b> (Previously published as: Journal of Property Valuation and Investment)
	Journal of <b>Economic Literature</b>		Property Law Bulletin
	Education + Training		Property Management
	Journal for <b>Education in the Built Environment</b> , The		Journal of <b>Property Research</b>
	International Journal of <b>Educational Management</b>	<b>Q</b>	Quality Assurance in Education
	<b>Energy, Sustainability and Society</b>	<b>R</b>	Real Estate Economics

	Enhancing Learning in the Social Sciences (EliSS)		Journal of <b>Real Estate Portfolio Management</b>
	Engineering, Construction and Architectural Management		Journal of <b>Real Estate Research</b>
	Engineering Education		Reference Services Review
<b>F</b>	Facilities		Journal of <b>Research in Interactive Marketing</b>
	Journal of <b>Facilities Management</b>	<b>S</b>	Smart and Sustainable Built Environment
	Financial Accountability and Management		Structural Survey
	Journal of <b>Financial Management of Property and Construction</b>		Sustainability
	Financial Practice and Education		Journal of Sustainable Development
<b>Special issues:</b>			
Property and Construction		Online Learning [01/14]	
International Focus [07/13]		Higher Education Academy Online [03/14]	
Higher Education [08/13]		Environment [03/14]	
Law [09/13]		Open Access and Online Learning [04/14]	
Research [10/13]		Business and Management Education in Higher Education [05/14]	
Economics [11/13]		Finance, Financial Management and Accounting [06/14]	
Sustainability [12/13]		Research and Innovation in open, distance and flexible education [07/14], [03/15]	

**Lucy's searching top tips** – The reason why I am listing the topics covered and some of the journals reviewed each month is to provide a quick reference list and tool. Should you wish to access journals relating to a specialist area or journal, you i) access the latest issue of the e-Bulletin (available via the VLE e-Library and under section 6 – UCEM Published Material), ii) Have a quick browse down the list and identify your specialist journal or focus area. iii) In the case of Special issues, note the month that covered that topic, iv) go back to the VLE e-Library page and v) download the appropriate monthly e-bulletin which specialises in that subject area. ☺

To access the Directory of e-Journals, visit the VLE e-Library and scroll down to Section 3. Note: to access these journals in full online, you will need to log-in to Athens.

[Back to top](#)



## e-Book Review

The **UCEM VLE e-Library** is currently building on its' e-Book collection, available through **Athens** and by clicking on **DawsonEra** (listed within **the Resources** section). It is hoped that over time, UCEM will provide greater access to e-Books over hard-copy versions in order to provide the students with greater flexibility and access to a wide range of publications.

Often books may have an excellent chapter covering a topic you wish to discuss, and this can prove expensive in purchasing and posting, when only a small section of the book is relevant. Therefore, drawing attention to an e-Book via the e-Library and recommending they read a particular chapter is much more efficient and effective and allows UCEM to build their library as well as providing a wider range of publications for students to access and Tutors to use in supplementing their Teaching and Learning Materials.

**Please note:** By visiting the VLE e-Library and the various digital subscriptions that UCEM currently holds, students and tutors can gain access to a wealth of additional online material and catalogues incl. a range of reference e-books available within the construction and real estate sectors. For example, **IHS Information Services** and the **Construction Information Service** (accessible via Athens) holds a vast array of eBooks. You can also access **RICS** published material incl. eBooks via **ISURV** (accessed via Section 5 of the VLE e-Library).

Six books that are currently available are as follows:

1. The Battle for Open: How openness won and why it doesn't feel like victory
2. The new landscape of mobile learning: Redesigning education in an app-based world
3. Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education
4. Studying at a Distance
5. Rethinking Pedagogy for a Digital Age, 2nd edition
6. ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online

The first and sixth book, as well as the second 'book review' mentioned above are freely available online. However, the other three have been purchased by UCEM and are available, as e-Books, within the VLE e-Library and via Athens and Dawson Books. Once you have accessed DawsonEra, if you click on '**eBook Catalogue**' within the top toolbar, this contains UCEM purchased eBooks. Alternatively, you can search for the title within the Advanced Search engine.

---

### 1. The Battle for Open: How openness won and why it doesn't feel like victory.

Weller, M. (2014). *The Battle for Open: How openness won and why it doesn't feel like victory* [e-book]. London: Ubiquity Press. Available at: <http://dx.doi.org/10.5334/bam> [accessed 26 November 2018]

Dominguez, D. (2015). Book review of The Battle for Open. *Open Praxis*, 7(2), 191-193. doi:10.5944/openpraxis.7.2.208

ISSN: 2304-070X, International Council for Open and Distance Education (ICDE)

Has the openness movement won the battle to transform itself into a mainstream phenomenon in higher education? If the answer is yes, does this mean that the disputes with other educational technological solutions, restricted, have definitely ended? Or rather is it only the beginning of a long confrontation to take centre stage in a digital ecosystem that is increasingly more nuanced, where the number of actors keeps growing and the limits on what is open is ever more diffuse?

In this new book, the author Martin Weller attempts to find answers to these questions. To do so, he introduces a group of quite varied subjects on evolution and the current state of higher education. As such, his contribution turns into an authentic manual for everyone who has an interest in the digitization of education.

**Keywords:** Open access; open education; OER.

### 2. The new landscape of mobile learning: Redesigning education in an app-based world -

Miller, C., & Doering, A., (Eds.). (2014). *The new landscape of mobile learning: Redesigning education in an app-based world* (1st ed.). New York, NY: Routledge

Hetrick, T. (2015). Book review of *The new landscape of mobile learning: Redesigning education in an app-based world*. *Open Praxis*, 7(1), 113-115. doi:10.5944/openpraxis.7.1.178. ISSN: 2304-070X, International Council for Open and Distance Education (ICDE)



This is a book review on *The new landscape of mobile learning: Redesigning education in an app-based world*, by editors Charles Miller and Aaron Doering. This is an edited book, but one for which the editors sought out specific authors to write about their experiences and expertise on mobile learning. One of Miller and Doering's goals is to promote greater thinking about mobile learning through the understanding that learning is a complex process built from pedagogical foundations that integrate social interactions with technology. The editors argue that a fundamental aspect to mobile learning is mobility, which is the ability to freely move about and collaborate in an authentic environment in which learners gain insight and construct knowledge. The authors try to address problems in mobile learning and put forth solutions, but this also highlights the fragmented problems of mobile learning as the book in itself is fragmented. Instead of treating mobile learning as its own system or field, it becomes evident that one should be describing mobile learning as mobile integration and explores how to use mobility in the everyday learning context. From the perspective of mobile integration, this book is very practical as the authors did an outstanding job of providing information about the steps of integrating mobile devices into specific areas to assist or augment learning.

### **3. Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education**

By Moore, C., (c2017). Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education. IGI Global

The integration of technology has become an integral part of the educational environment. By developing new methods of online learning, students can be further aided in reaching goals and effectively solving problems. *The Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education* is an authoritative reference source for the latest scholarly research on the implementation of instructional strategies, tools, and innovations in online learning environments. Featuring extensive coverage across a range of relevant perspectives and topics, such as social constructivism, collaborative learning and projects, and virtual worlds, this publication is ideally designed for academicians, practitioners, and researchers seeking current research on best methods to effectively incorporate technology into the learning environment.

### **4. Studying at a Distance -**

By Talbot, C., (01/08/2010), Publisher: Open University Press

e-ISBN-13: 9780335238057

This essential guide provides practical help and support for those who have not previously studied at a distance and is ideal for students returning to study after a break. It covers fundamental issues such as motivation, goal setting, time management and coping strategies. Additional coverage in this third edition includes: specific information on the use of new technologies in distance learning; detailed coverage of referencing, citation and plagiarism; description of using mind maps and other techniques for planning and writing essays or reports; support for disabled students, particularly those with dyslexia; and, an expanded further resources section.

### **5. Rethinking Pedagogy for a Digital Age –**

Edited by Beetham, H., & Sharpe, R., Publisher: Routledge

e-ISBN-13: 9780203078952

Through a critical Discussion of the issues surrounding the design, sharing and reuse of learning activities, the second edition of *'Rethinking Pedagogy for a Digital Age'* examines a wide range of perspectives on effectively designing and delivering learning activities to ensure that future development is pedagogically sound, learner-focused, and accessible.

Keywords: Education; Pedagogy; e-Learning

### **6. ADDING SOME TEC-VARIETY: 100+ Activities for Motivating and Retaining Learners Online**

*Adding Some TEC-VARIETY* by Curtis J. Bonk and Elaine Khoo

As this book states, “Motivation is central to all things human” and Online teaching and learning are no different.

The authors of this FREE ONLINE BOOK propose the TEC-VARIETY framework as a solution to the lack of meaningful engagement. It can shift learners from nearly comatose states to actively engaged ones. *Adding Some TEC-VARIETY* helps instructors focus on how to motivate online learners and increase learner retention. It also is a comprehensive, one-stop toolkit for online instructors to inspire learners and renew their own passion for teaching. Using 10 theoretically driven and proven motivational principles, TEC-VARIETY offers over 100 practical yet innovative ideas based on decades of author experience teaching in a variety of educational settings.

Source: **Adding Some TEC-VARIETY** by Curtis J. Bonk and Elaine Khoo [online]. Available at: <http://tec-variety.com/> [accessed 26 November 2018]

**Please note:** The authors have made an online version of this work available under a Creative Commons Attribution-Non-commercial-Share Alike 3.0 License; for details, please see <http://creativecommons.org/licenses/by-nc-sa/3.0/us/> [accessed 26 November 2018]. The e-book PDF can be accessed through the book homepage [online]. Available at: <http://tec-variety.com> and <http://tec-variety.com/freestuff.php> [accessed 26 November 2018]

[Back to top](#)

## The Directory of Open Access Books (DOAB) –

The primary aim of DOAB is to increase discoverability of Open Access books. Academic publishers are invited to provide metadata of their Open Access books to DOAB. Metadata will be harvestable in order to maximize dissemination, visibility and impact. Aggregators can integrate the records in their commercial services and libraries can integrate the directory into their online catalogues, helping scholars and students to discover the books. The directory is open to all publishers who publish academic, peer reviewed books in Open Access and should contain as many books as possible, provided that these publications are in Open Access and meet academic standards.

### Some key DOAB facts (as of 26/11/2018):

- **13,405** Academic peer-reviewed books from
- **285** publishers

The Directory of Open Access Books (DOAB) [www.doabooks.org/doab](http://www.doabooks.org/doab) [accessed 26 November 2018]

[Back to top](#)

## Latest book and journal titles

### Latest book titles from

**Elsevier** is a world-leading provider of information solutions that help you make better decisions, deliver better care, and sometimes make ground-breaking discoveries in science, health, and technology.

Built Environment including Architecture, Building and Construction, and Property and Real Estate [online].

Further information is available at: [www.elsevier.com/](http://www.elsevier.com/) [accessed 26 November 2018]

**LawTrove** [online]. Further information is available at: [www.oxfordlawtrove.com/](http://www.oxfordlawtrove.com/) [accessed 26 November 2018]

- Oxford University Press (OUP) is a leading publisher of legal education materials, producing a broader and deeper range than any other publishers. **Law Trove** takes that award content and makes it available online, to suit your way of working. Studying law is about discovery; finding the links, examining the detail, and unravelling the connections make it a complex and fascinating subject. **Law Trove** facilitates a rounded and complete study of law. Its powerful search facility means you can delve deeper into your life, navigate more easily, and connect with additional resources in your own institution's library collection. **N.B.** There is a section where you can search the catalogue and 'access free content / Open Access material'.

**Palgrave Macmillan** - From award-winning research which changes the world to textbooks and study guides which educate and inspire, Palgrave Macmillan publish across the humanities, social sciences and business for academics, students, professionals and librarians worldwide. Palgrave Macmillan [online]. Further information is available at: [www.palgrave.com/gb/](http://www.palgrave.com/gb/) [accessed 26 November 2018]

**Taylor & Francis/Routledge** – T&F (an Informa business) is a world famous name in academic and professional books, journals and online resources relating largely to the humanities, social sciences, the Built Environment and Sustainability.

Visit Taylor & Francis online @ [www.tandfonline.com](http://www.tandfonline.com) [accessed 26 November 2018]

**Taylor & Francis Open and Routledge Open** - Taylor & Francis and Routledge currently publish a number of pure open access journals, with no subscription content. The articles in these journals receive both rigorous peer review and expedited online publication [online] and available @ [www.tandfonline.com/openaccess](http://www.tandfonline.com/openaccess) [accessed 26 November 2018]

Latest info: Property and Real Estate catalogue [online] and available at: [www.routledge.com/collections/4812](http://www.routledge.com/collections/4812) [accessed 26 November 2018]

Other subject categories incl.

- Architecture - [www.routledge.com/architecture/](http://www.routledge.com/architecture/)
- Building and Construction - [www.routledge.com/buildingconstruction](http://www.routledge.com/buildingconstruction)
- Built Environment - [www.routledge.com/builtenvironment](http://www.routledge.com/builtenvironment)
- Planning and Urban Design - [www.routledge.com/planning/](http://www.routledge.com/planning/)
- Research Methods - [www.routledge.com/research-methods](http://www.routledge.com/research-methods)

[websites correct as at 26 November 2018]

**The Routledge Sustainability Hub** - An innovative Knowledge Centre for the global sustainability community, this Hub offers a wide range of resources for everyone – whether you are a teacher, a student, a professional or a citizen of the earth curious to discover more about the many facets of sustainability. Further information available at: [www.routledgetextbooks.com/textbooks/sustainability](http://www.routledgetextbooks.com/textbooks/sustainability) [accessed 26 November 2018]

**Wiley** is the international scientific, technical, medical, and scholarly publishing business of John Wiley & Sons, with strengths in every major academic and professional field and partnerships with many of the world's leading societies. For more information, please visit [www.wiley.com](http://www.wiley.com) [accessed 26 November 2018] and <http://eu.wiley.com/WileyCDA/> [accessed 26 November 2018].

'Wiley' Online Library hosts the world's broadest and deepest multidisciplinary collection of online resources covering life, health and physical sciences, social science, and the humanities. It delivers seamless integrated access to over 6 million articles from over 1500 journals, over 16,000 online books, and hundreds of reference works, laboratory protocols and databases. Further information is available online at: <http://onlinelibrary.wiley.com/> [accessed 26 November 2018]

**Wiley Open Access** [online]. Further information is available at: <http://olabout.wiley.com/WileyCDA/Section/id-406071.html> [accessed 26 November 2018]

- Business and Management [online]. Further information is available at: <http://onlinelibrary.wiley.com/subject/code/000028> [accessed 26 November 2018]
- Economics [online]. Further information is available at: <http://onlinelibrary.wiley.com/subject/code/000047> [accessed 26 November 2018]
- Law [online]. Further information is available at: <http://onlinelibrary.wiley.com/subject/code/000076> [accessed 26 November 2018]
- Civil Engineering and Construction [online]. Further information is available at: <http://onlinelibrary.wiley.com/subject/code/000034> [accessed 26 November 2018]

[Back to top](#)



**Information Governance incl. © Guidance and Data Protection:**

“It is important to remember that Copyright material in digital form is protected in exactly the same way as Copyright material in any other format. For example, text and images on a website are protected by copyright in the same way as printed material.

Please note: if there is something you really want to use for learning materials and someone else owns the copyright ... permission must be sought!

The copyright owner may wish to charge you, but often they just appreciate you asking them if they are happy for you to acknowledge their work and inform them of how the information will be used and who it will be circulated to”.

Source: Salmon, Prof. G., (2013), *E-tivities*, London, Routledge.

## **Copyright**

### **The Copyright Licensing Agency Ltd (CLA)**

The CLA are a licensing body as defined by the Copyright, Designs and Patents Act 1988 c.48 (as amended) [“CDPA”].

The CLA licence organisations to copy and re-use extracts from print and digital publications on behalf of the copyright owners – authors, publishers and visual artists. By ‘copying’ the CLA means photocopying, scanning, and re-use of content from magazines, books, journals, electronic and online publications, as well as press cuttings or documents supplied by a licensed third party.

Having a CLA licence helps to reduce the risk and potential cost of copyright infringement. This requirement applies to any organisation in the business, education, public or charitable sectors.

The Copyright Licensing Agency (CLA) - [www.cla.co.uk](http://www.cla.co.uk) [accessed 26 November 2018]

[Back to top](#)

### **CLA Title search tool**

The **CLA Title Search** is an online search tool that lets you quickly find out what you can copy under your organisation’s CLA licence.

Whether you’d like to photocopy and distribute an article to colleagues or upload a report to an intranet or VLE, the CLA Title Search simplifies the steps required to ensure compliance.

UCEM has a **CLA ‘Independent Higher Education Photocopying and Scanning Licence’**

**CLA Higher Education, Check Permissions** @ [www.cla.co.uk/higher-education-licence](http://www.cla.co.uk/higher-education-licence) [accessed 26 November 2018]

[Back to top](#)

### **Further guidance on Copyright and Digital Copyright incl.**

- What is copyright? @ [www.cla.co.uk/what-is-copyright](http://www.cla.co.uk/what-is-copyright) [accessed 26 November 2018]
- When does copyright arise?
- What does copyright protect?
- Who owns copyright?
- Joint ownership of copyright
- What rights does a copyright owner have?
- How long does copyright last?
- Copyright infringement
- Remedies for copyright infringement
- Copyright exceptions

- Obtaining clearance to use copyright material
- CLA and copyright licences

Related organisations and links @ [www.cla.co.uk/related-organisations](http://www.cla.co.uk/related-organisations), and [www.cla.co.uk/](http://www.cla.co.uk/) [accessed 26 November 2018]

[Back to top](#)

## 5 Ways to find images for your website

The author of this article highlights the point that finding good images online is fairly easy but finding images that are licensed for reuse can be hard.

It is often difficult to know when it's ok to reuse an image that has been published online and when it's not. The internet may be a global network, but each country has different copyright laws and there are not simple best practice rules applicable to everyone.

Within this blog, the author takes a look at a best practice example of online image attribution, some of the problems that face anyone trying to work out if they can reuse an image online and five ways to find images licensed for reuse, including:

- The Creative Commons search tool
- Museums, Libraries and Archives
- Getty images
- Gratisography
- Taking your own photo!

Patrick, E., Online Information Manager at CILIP, the Chartered Institute for Library and Information Professionals, 18<sup>th</sup> September 2014, '5 ways to find images for your website' [online blog].

[Back to top](#)

## Legal 101 – Know your copyrights from wrongs

Copyright is an issue rarely discussed in construction and development projects, but one that can have far-reaching implications if the relevant permissions are not properly put in place. A Copyright Owner has the right to prevent others from carrying out numerous acts, including copying, adapting, or issuing copies to the public.

**What is a copyright work?** Any project that involves the creation of new “works” such as research, plans, photographs, diagrams, models, plans or charts – as well as the building itself – will need to consider who owns the copyright in those works.

**Who owns the copyright?** The first owner of copyright in any work is the author or, if any employee, his or her employer. More than one person can be an author, whether they have worked together or separately. It is also possible for more than one person to own the copyright.

**Assignment or Licence?** Although it is possible to agree to transfer – or assign – the ownership of copyright, this is rare in the construction and development industry. Consequently, architects, planners and surveyors will each own copyright in the works they produce and have the power to prevent others from using their work at all, or for any purposes other than expressly permitted, as well as controlling permitted uses.

**What should a licence cover?** Permission to use a copyright work is granted in a licence. This can either be a separate document or included as part of a more wide-ranging contract. The licence sets out exactly who can do what with the relevant copyright work, so it is important that the scope is wide enough to cover everything that may be needed for the project, and, subsequently, permission is given to all people or entities who will need it.

Source: Wheeler, P., partner, Collyer Bristow, March 2015, RICS MODUS, *Legal 101 – Know your copyrights from wrongs*, p47.

Royal Institution of Chartered Surveyors (RICS), *Modus*, March 2015 – The Africa issue [online], RICS, Knowledge, Journals. Available at: [www.rics.org/uk/news-insight/publications/modus/](http://www.rics.org/uk/news-insight/publications/modus/) [accessed 26 November 2018]

## **Latest Copyright News:**

### **EU votes for copyright law that would make internet a ‘tool for control’**

- MEPs defy warnings from internet pioneers, civil liberties groups and commercial interests

A European parliament committee has voted for legislation that internet pioneers fear will turn the web into “a tool for surveillance and control”.

In a key vote on a draft law to overhaul EU copyright rules, the parliament’s legal affairs committee on Wednesday voted for measures that would require the likes of Google and Microsoft to install filters to prevent users from uploading copyrighted materials.

The MEPs voted narrowly for the provision, despite warnings from some of the biggest names in the internet, and civil liberties campaigners, that the law would damage freedom of expression, while entrenching the power of the biggest companies and loading costs on to European startups.

The plans still have to be agreed with representatives from the EU’s 28 governments before becoming law, but the vote reduces the chances of serious changes.

Opponents of the law vowed to fight on when the legislation comes before all MEPs for a final vote.

“I will challenge this outcome and request a vote in the European parliament next month,” said the Green MEP Julia Reda, who has been leading opposition to the law. “We can still overturn this result and preserve the free internet.”

First proposed by the European commission in 2016, the law attempts to update EU copyright laws for the age of Facebook and Google, with the aim of ensuring that authors, artists and journalists are “paid fairly” for their work.

Critics fear the measure would stifle freedom of expression by curtailing internet users’ ability to share content. Some lawmakers say even memes would be affected, as users would be required to take their own meme photos and give permission for others to use them.

One of the most controversial provisions, article 13, would require platforms, such as Google and Microsoft, to install filters. It was adopted by the committee by 15 votes to 10.

This and further information is available at:

Rankin J (2018) ‘EU votes for copyright law that would make internet a ‘tool for control’, *The Guardian*, Internet [online], 20 June. Available at: [www.theguardian.com/technology/2018/jun/20/eu-votes-for-copyright-law-that-would-make-internet-a-tool-for-control](http://www.theguardian.com/technology/2018/jun/20/eu-votes-for-copyright-law-that-would-make-internet-a-tool-for-control) [accessed 26 November 2018]

From the above-mentioned link you can also gain further information about **Internet; Intellectual property; European commission; Europe; Small business; European Union and news**

#### **Related Links:**

Find the **latest copyright news** from **WIRED incl.** Finley K (2018) ‘Europe’s New Copyright Law Could Change The Web WorldWide’ [WIRED > Home > Business] WIRED [online]. Available at: [www.wired.com/story/europes-copyright-law-could-change-the-web/](http://www.wired.com/story/europes-copyright-law-could-change-the-web/) [accessed 26 November 2018]

The Guardian Online (2018) European Commission [online]. Available at: [www.theguardian.com/world/european-commission](http://www.theguardian.com/world/european-commission) [accessed 26 November 2018]

The Guardian Online (2018) Europe [online]. Available at: <https://www.theguardian.com/world/europe-news> [accessed 26 November 2018]

Malik K (2018) ‘A fairer deal on web copyright doesn’t need the boomer boots from Brussels’, *The Guardian*, Internet, Opinion [online], 8 April. Available at: [www.theguardian.com/commentisfree/2018/apr/08/fairer-deal-on-web-copyright-eu-free-speech-open-access](http://www.theguardian.com/commentisfree/2018/apr/08/fairer-deal-on-web-copyright-eu-free-speech-open-access) [accessed 26 November 2018]

- Free speech and open access are at risk from EU plans to reform legislation for the digital age.

Electronic Frontier Foundation website [online]. Available at: [www.eff.org/](http://www.eff.org/) [accessed 26 November 2018]

**Lucy’s top searching tips** – If you are searching for i.e. ‘Joint letter to European politicians on Article 13 of Directive on Copyright in the Digital Single Market’ [online]. Available at:

[www.eff.org/search/site/article%2013%20of%20the%20EU%20copyright%20Directive](http://www.eff.org/search/site/article%2013%20of%20the%20EU%20copyright%20Directive) [accessed 26 November 2018], ensure you reference from a public domain ‘landing page’



i.e. Electronic Frontier Foundation (2018) 'Joint letter to European politicians on Article 13 of Directive on Copyright in the Digital Single Market' [online]. Available at: [www.eff.org/document/joint-letter-european-politicians-article-13-directive-copyright-digital-single-market](http://www.eff.org/document/joint-letter-european-politicians-article-13-directive-copyright-digital-single-market) [accessed 26 November 2018], rather than to the holding page where the PDF sits in the background. The reasoning for this is that (i) holding page links can change, (ii) documents can be moved around and (iii) in some cases where copyright permission has been sought and agreed for organisations to upload PDF documents, it is good academic practice to ensure that you do not link direct to the PDF itself, and locate either the original source, or link to a public domain website where T&Cs and copyright can be reviewed. Also, by referencing items correctly and using search facilities as identified above, if hyperlinks do not work, you will have sufficient information (within the reference) to hopefully be able to source the item elsewhere.

[Back to top](#)

## Data Protection

### Get on track with the new Data Protection rules

As of 25 May 2018, the EU General Data Protection Regulation (GDPR) replaced the EU's Data Protection Directive. This means, that a single set of data protection rules applies to all companies operating in the EU, wherever they are based.

**Get introduced to GDPR** – This is the most important change to data privacy regulation in 20 years across Europe.

**Where to find guidance** - Gain access to a variety of resources available which provide useful information on the changes.

**GDPR factsheets** – Factsheets providing useful and practical case studies, focusing on specific sectors. These factsheets (accessed via the source link provided below) have been developed by DLA Piper in collaboration with RICS to provide useful and practical case studies, focusing on specific sectors, incl.

- **Building surveying; Construction cost management; Property agency; Property management; and Property valuation.**

**Penalties** – Organisations in breach of GDPR can be fined up to 4% of annual global turnover or €20 million (whichever is greater). This is the maximum fine that can be imposed for the most serious infringements.

**Consent** – Companies will no longer be able to use long illegible **terms and conditions** full of legalese, as the request for consent must be given in an intelligible and easily accessible form, with the purpose for data processing attached to that consent (EUGDPR.ORG Portal, 2018).

**Roles: 'Controller' or 'Processor'** In considering who GDPR applies to, the terms 'controllers' and 'processors' are used. To provide a simple definition:

- Controllers determine the purpose and means of processing personal data.
- Processors are responsible for processing personal data on behalf of a controller.

As a processor, GDPR places specific legal obligations to main records of personal data and processing activities. The processor will have legal liability and be responsible for a breach.

For Controllers, GDPR places further obligations on you to ensure your **contracts** with processors comply with the GDPR.

### Will GDPR matter for organisations in the UK after Brexit?

For companies in the UK if you process data about individuals in the context of selling goods or services to citizens in other EU countries then you will need to comply with the GDPR, irrespective as to whether or not the UK retains the GDPR post-Brexit.

*Source:* RICS (2018), 'New HMO rules come into effect in England on 1 October 2018' [**RICS > Get on track with the new Data Protection rules**] RICS [online]. Available at: [www.rics.org/uk/footer/gdpr/](http://www.rics.org/uk/footer/gdpr/) [accessed 26 November 2018].

#### Related Links:

Following on from the earlier comment relating to GDPR in the UK after Brexit, on 13<sup>th</sup> September 2018, the Department for Digital, Culture, Media & Sport published the following guidance @ GOV.UK

## Guidance: Data protection if there's no Brexit deal

GOV.UK, Department for Digital, Culture, Media and Sport (2018), 'Guidance: Data protection if there's no Brexit deal' [online], 13 September. Available at: [www.gov.uk/government/publications/data-protection-if-theres-no-brexit-deal/data-protection-if-theres-no-brexit-deal](http://www.gov.uk/government/publications/data-protection-if-theres-no-brexit-deal/data-protection-if-theres-no-brexit-deal) [accessed 26 November 2018]

### & other related links:

EUGDOR.org portal (2018) 'GDPR Key Changes' [online]. Available at: [www.eugdpr.org/key-changes.html](http://www.eugdpr.org/key-changes.html) [accessed 26 November 2018]

**Designing Buildings.co.uk Wiki**, (2018) 'Terms and Conditions' [online], last edited 12 July 2018. Further information is available at: [www.designingbuildings.co.uk/wiki/Terms\\_and\\_Conditions](http://www.designingbuildings.co.uk/wiki/Terms_and_Conditions) [accessed 26 November 2018]

Kirkup A (2018) 'General Data Protection Regulations (GDPR)', Institution of Civil Engineers (ICE), last edited 19 January 2018.

**Designing Buildings.co.uk Wiki**, (2018) 'General Data Protection Regulations (GDPR)' [online], last edited 11 May 2017. Further information is available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) and [www.designingbuildings.co.uk/wiki/General\\_Data\\_Protection\\_Regulations\\_\(GDPR\)](http://www.designingbuildings.co.uk/wiki/General_Data_Protection_Regulations_(GDPR)) [accessed 26 November 2018]

[Back to top](#)

## Further information, advice and guidance on the General Data Protection Regulation (GDPR)

- With new technologies constantly emerging and us finding ourselves moving further into an ever more digital direction, our personal data, how it is used and who has access to it becomes a growing and global concern for all.

The General Data Protection Regulation (GDPR) is the first legislative change in recent years that will address these concerns, with a broad aim to invoke a cultural shift in the way organisations manage personal data.



**Source:** ICO [n.d.], Posters, stickers and e-learning [online]. Available at: <https://ico.org.uk/for-organisations/resources-and-support/posters-stickers-and-e-learning/> [accessed 26 November 2018]

Other useful Information, Advice and Guidance on Data Protection, GDPR and more can be found at the Information Commissioner's Office (ICO) including:

- Guides to the legislation incl. **Data Protection**; Freedom of information; Electronic communications and marketing; Environmental information; Spatial information; and Re-use of information
- In your sector covers – **Education**; Health; Small business; **Marketing**; Local government; Police, justice and surveillance; Charity; Finance, insurance and credit; Elected reps and political parties; and the media

### Resource and support covers -

- **Getting ready for the GDPR checklist** – designed to help you get your house in order, ready for the new legislations. Includes getting to grips with new rights of individuals, handling subject access requests, consent, data breaches, and designating a data protection officer.

### Self-assess, training and promote incl. -

- **Data protection self-assessment toolkit,**
- **Posters, stickers and e-learning** (incl. the above)
- **Training videos,**
- **Webinars,**
- **Health sector resources,** and
- **Personal information promise**

Information Commissioner's Office (ICO), *Resource and support* [online]. Available at: <https://ico.org.uk/for-organisations/resources-and-support/> [accessed 26 November 2018]

#### **Related Links:**

Information Commissioner's Office [n.d.] 'Advice service for small organisations' [online]. Available at: <https://ico.org.uk/global/contact-us/advice-service-for-small-organisations/> [accessed 26 November 2018]

Korn N (2018) '**GDPR: What you can do now?**' [online], Naomi Korn Copyright and Compliance blog, 1<sup>st</sup> April. Available at: <https://naomikorn.com/blog/> [accessed 26 November 2018]

[Back to top](#)

## **Data Protection Act 2018**

The Data Protection Act 2018 achieved Royal Assent on 23 May 2018. The Act implements provision relating to GDPR among other things. The Government has **published an overview** of the Act, information on **general processing of personal data**.

The Information Commissioner's Office (ICO) has been **granted new powers** to act swiftly when people's data has been breached and allow her to hold rogue companies to account. This includes being able to:

- Issue fines of up to £17 million or 4 per cent of global turnover for the most serious data breaches
- Demand access to an organisation's premises to carry out 'no notice' inspections without a warrant
- Request a court order to force someone to share information, with the prospect of criminal convictions when this is not followed.

The Government will shortly publish a consultation on exemptions to paying ICO fees to ensure the regulations remain appropriate in the new regime.

#### **Related Links:**

GOV.UK, Department for Digital, Culture, Media and Sport, Home Office, The Rt Hon Matt Hancock MP, and The Rt Hon Sajid Javid MP (2018), Guidance: 'Data Protection Act 2018 Overview' [online], Published 25 May 2018. Available at: [www.gov.uk/government/publications/data-protection-act-2018-overview](http://www.gov.uk/government/publications/data-protection-act-2018-overview) [accessed 26 November 2018]

GOV.UK, Department for Digital, Culture, Media and Sport, and Margot James MP (2018), News Story: '**Data laws made fit for the digital age**' [online]. Available at: [www.gov.uk/government/news/data-laws-made-fit-for-the-digital-age?utm\\_source=792e6351-26af-4550-abe1-85b07a4a97a5&utm\\_medium=email&utm\\_campaign=govuk-notifications&utm\\_content=immediate](http://www.gov.uk/government/news/data-laws-made-fit-for-the-digital-age?utm_source=792e6351-26af-4550-abe1-85b07a4a97a5&utm_medium=email&utm_campaign=govuk-notifications&utm_content=immediate) [accessed 26 November 2018]. **Please note:** Further information is provided earlier in this e-bulletin.

Source: Heritage Update e-Bulletin [online], Issue **No 371**, 1 June 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018]

BBC News, Technology (2018) 'Facebook faces £500,000 fine from UK data watchdog' [online], 11 July 2018. Further information is available at: [www.bbc.com/news/technology-44785151](http://www.bbc.com/news/technology-44785151) [accessed 26 November 2018].

**N.B.** From this above-mentioned web-link you can also gain further information about **Privacy; Facebook;** and **Facebook-Cambridge Analytica data scandal**

[Back to top](#)



## Useful online resources

### 1. Construction Information and Guidance available through the **HSE** -

Within the Health and Safety Executive (HSE) website, there is a wealth of information surrounding Construction.

#### Lucy's Top Searching Tips

By typing in '**Construction**' within the search engine at the top of the website @ [www.hse.gov.uk](http://www.hse.gov.uk) [accessed 26 November 2018] a vast array of 'subject fields' are identified incl.

**Construction:** Within the 'Construction' section of the HSE website, there is further information on – new to health and safety; safety topics; health topics; Construction Design and Management; Leadership and worker involvement toolkit; Migrant workers in construction; Worker engagement; current campaigns; Managing health risks (COHME); Construction FAQs; Construction news including news and updates about health and safety in the construction industry & Info net including RSS feeds and Construction e-bulletins to sign up to.

**Health and Safety in the Construction Industry** - [www.hse.gov.uk/construction/](http://www.hse.gov.uk/construction/)

**Health and Safety in Construction** - [www.hse.gov.uk/pubns/books/hsg150.htm](http://www.hse.gov.uk/pubns/books/hsg150.htm)

**HSE Publications: Free Leaflets – Construction** [www.hse.gov.uk/pubns/conindex.htm](http://www.hse.gov.uk/pubns/conindex.htm)

**Construction (Design and Management) Regulations 2015** - [www.hse.gov.uk/construction/cdm/2015/index.htm](http://www.hse.gov.uk/construction/cdm/2015/index.htm)

**Statistics – Industries** [www.hse.gov.uk/STATISTICS/industry/index.htm](http://www.hse.gov.uk/STATISTICS/industry/index.htm)

**Statistics - Construction Industry** [www.hse.gov.uk/STATISTICS/industry/construction/index.htm](http://www.hse.gov.uk/STATISTICS/industry/construction/index.htm)

**Fatal injury statistics, summary for 2017/18** [www.hse.gov.uk/statistics/fatals.htm](http://www.hse.gov.uk/statistics/fatals.htm)

**Latest quarterly fatal injury figures for 2017/18** [www.hse.gov.uk/statistics/fatalquarterly.htm](http://www.hse.gov.uk/statistics/fatalquarterly.htm)

[N.B. Websites accessed 26 November 2018]

[Back to top](#)

### 2. **Revo** – [Retail. Property. Community.](#)

(formerly British Council of Shopping Centres (BCSC))

BCSC (British Council of Shopping Centres) was the professional body for retail property – an authoritative voice for UK retail-led regeneration and for the management of and investment in shopping places. However, BCSC is changing and is now Revo.

Revo supports the people and businesses involved in the diverse world of retail property and placemaking to thrive and prosper – energizing and driving progress for our community. As stated within their new website:

**A broader remit** – Revo are now embracing all kinds of retail property and all kinds of stakeholders. This diversity makes Revo uniquely placed to champion real improvements and positive change for this sector

**Working together** – Revo intend to harness the collective experience, as well as the influence and resources of their network to challenge and shape this industry for the future

**The influencers** – Revo are there to help shape the future of the retail property and placemaking industry. They will be engaging with even more senior figures in key government departments to raise awareness of Revo locally and nationally.

**The network** – Who you know is just as important as what you know. Revo members have a broad base, with specialisms and experience of all kinds. Revo aim to create more relevant and accessible business and career development opportunities and make sure the industry has the right people, with the right skills.

**The benchmark** – Revo sets standards, recognizes achievement and sparks ideas. A new educational programme will meet the needs of industry professionals throughout their careers, and there will be a renewed focus on apprenticeships. Revo are also expanding their Awards Programme to better reflect the diversity of the industry.

**The trend spotters and thought leaders** – Revo intends to stay ahead of the curve, prepared for and embracing the future. They will analyze trends, interpret market data and organize focused working groups and think tanks run by true experts in their fields. They will produce pioneering research and insight papers and establish Revo as the place to come for authoritative commentary.

Having a broad message membership means that the Revo community stay well informed about the large range of issues affecting property owners, developers, investors, asset managers, retailers, consultants, shopping centre managers and public-sector employees and can utilize this network to develop solutions to many of the industry's current challenges.

- **Revo Insights** – Revo conduct innovative research into new trends and are the go-to organization for authoritative commentary and insight on industry and political issues. Revo produce thought-provoking content and engaging communications, making sense of the future of our community. Information contained within incl. Latest research and quarterly retail briefings, Industry reports, Guidance notes, Opinion and Trend Bites. Revo Insights [online]. Available at <https://www.revocommunity.org/insights> [accessed 26 November 2018]
- **Revo Education** – Revo are setting standards, recognizing achievement and sparking ideas. Their new educational programme will meet the needs of industry professionals throughout their careers, and they have a renewed focus on apprenticeships. Revo Education [online]. Available at: [www.revocommunity.org/education](http://www.revocommunity.org/education) [accessed 26 November 2018]

**Source:** British Council of Shopping Centres (BCSC), now **Revo - Retail. Property. Community** [online]. Available at: [www.revocommunity.org/](http://www.revocommunity.org/) [accessed 26 November 2018]

[Back to top](#)

### 3. **The National Building Information Modelling (BIM) Library** -

Source: NBS (2017), *NBS National BIM Library* [online] and available at: [www.thenbs.com/services/our-tools/nbs-national-bim-library](http://www.thenbs.com/services/our-tools/nbs-national-bim-library) & NBS homepage [online] and available at: [www.thenbs.com/](http://www.thenbs.com/) & NBS Knowledge [online] and available at: [www.thenbs.com/topics/index.asp](http://www.thenbs.com/topics/index.asp) [accessed 26 November 2018] –

#### **Introducing NBS**

NBS (trading name of RIBA Enterprises Ltd, and wholly owned by the Royal Institute of British Architects (RIBA)) is committed to offering distinctive, innovative specification and information solutions to construction industry professionals. They have produced specification for over 40 years, including the recognised national standard specification system for the UK. Their NBS specification products cover building construction, engineering services and landscape design. They also produce a range of information products, including The National BIM Library and The Construction Information Services (which UCEM subscribes to).

#### **Lucy's Top Searching Tips**

You will note within the toolbar at the top of NBS that there are sections entitled, 'Services', 'Knowledge' and 'Support':

**Services** – NBS ensure construction industry professionals have access to the right information at the right time in the right way. NBS's specification and collaboration, building product and construction knowledge tools and services enables delivery of outstanding projects in an informed, collaborative and efficient way. NBS services are for – Architecture; Building Services Engineering; Structural Engineering; Landscape Architecture; Small Projects; BIM Projects; For Enterprise; For Local Authorities; and Building Product Manufacturers.

**Knowledge** – NBS's subject specialists author a wide range of interesting articles that help you make informed decisions and deliver the best projects for your clients

#### **Topic areas include**

- Building Information Modelling (BIM),
- Design and Specification,

- Construction Products,
- Contracts and Law,
- Plan of Work and Project Administration,
- Standards and Regulations,
- Sustainability,
- Health and Safety,
- **Additional topics incl.** Classification; Climate change; flooding; Green walls; Heating; IFC; Landscape; PAS 1192-2; Procurement; RIBA Plan of Work; Roofing; Students; Tendering; and Ventilation
- **Construction products incl.** Insulation; Lighting; and Timber
- **Building types incl.** Historic buildings; Museums; and Sports grounds
- **Content type incl.** Book extract; Event preview/review; Publication Index; Surveys; and Video
- **Content series incl.** Ecobuild 2016; Are you BIM ready? The Construction Act – One year after; Climate change adaptation in buildings; and Flood mitigation solutions in buildings
- **NBS Services incl.** NBS BIM toolkit; NBS Building; NBS Create; and NBS National BIM Library
- **NBS Reports incl.** National BIM Report; and NBS National Construction Contracts and Law Survey

**N.B.** Within each topic area has further information incl. Articles, Reports, **VIDEOS**, Recommended reading and Bibliographies.

**Source:** NBS (2017),

NBS National BIM Library [online] and available at: [www.thenbs.com/services/our-tools/nbs-national-bim-library](http://www.thenbs.com/services/our-tools/nbs-national-bim-library)

& NBS homepage [online] and available at: [www.thenbs.com/](http://www.thenbs.com/) ,

& NBS Knowledge [online] and available at: [www.thenbs.com/topics/index.asp](http://www.thenbs.com/topics/index.asp) [accessed 26 November 2018]

[Back to top](#)

#### 4. **Infabode** – The daily resource for Real Estate professionals and students

The web has become overloaded with information, most of which is spread across thousands of company websites, and therefore accessing this comparable information can be both time consuming and frustrating at times.

Infabode works with a network of content partners, and by having all this information in one place provides a powerful platform for the real estate industry. Each user is then able to customise the platform to select and cater for their specific areas of interest.

##### **Some key facts:**

- Content from **400+** Real Estate partners globally
- Over **250,000+** pages of industry information
- Opportunity to connect with over **17,000+** Real Estate professionals

Infabode allows users to choose from the real estate sectors that they are most interested in. The platform connects you with information from the **following markets** (incl. Office; Retail; Investment Vehicles; Residential; Capital Markets and Economics; Industrial; Student Halls; Hotels; Sustainability; Property Technology; Mixed User; Logistics; Accounting; Alternative sectors; Legal; Debt; and Rural).

**Please note:** To register and access **Infabode**,





For further information, please visit:

PropertyEU TV Channel (2016) 'The Infabode real estate information platform explained – Andrew Baum', YouTube [video]. Available at: [www.youtube.com/watch?v=oKPwleWFbXQ](http://www.youtube.com/watch?v=oKPwleWFbXQ) [accessed 26 November 2018]

[Back to top](#)

## 5. **RICS** (Royal Institution of Chartered Surveyors)

- **RICS (Royal Institution of Chartered Surveyors)** is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction -

RICS are a global professional body promoting and enforcing the highest international standards in the valuation, management and development of land, real estate, construction and infrastructure.

By visiting RICS website, you will gain access to a range of

**RICS Useful links** @ [www.rics.org/uk/](http://www.rics.org/uk/) [accessed 16 November 2018] that provides direct links through to information relating to the following topic areas/keywords incl.

• Environment, • Geomatics, • Minerals & waste, • Planning & development, • Rural, • Arts & antiques, • Commercial property, • Dispute resolution, • Facilities management, • Machinery & assets, • Management consultancy, • Residential property, • Valuation, • Building control, • Quantity surveying & construction, • Project management, • Building surveying, • BIM, • Infrastructure, • Measurements, and • Party walls, as well as a video – 'The work that shapes our world | RICS'.

Royal Institution of Chartered Surveyors (2018), RICS UK [online]. Available at: [www.rics.org/uk/](http://www.rics.org/uk/) [accessed 26 November 2018]

**RICS Library Online catalogue** – 2500 electronic documents selected and catalogued, plus books, magazine articles, law reports and transcripts [online]. Available at:

<http://unicorn.rics.org/uhtbin/cgiirsi.exe/0/0/0/60/69/X> [accessed 26 November 2018]

**RICS Library Services** [online]. Available at: [www.rics.org/uk/footer/library-services/](http://www.rics.org/uk/footer/library-services/) [accessed 26 November 2018]

[Back to top](#)

## 6. **Chartered Institute of Building (CIOB) Insight** –

CIOB Insight – CIOB's aim is to advance construction management education and to give access to that knowledge so that it can be shared and added to. CIOB do this in several ways and via the above-mentioned link you can gain access to CIOB views on leading issues within the industry, access to special interest groups and information contained within their library, along with data they create through their membership and beyond.

Sections include:

- **Policy and Public Affairs** – including Consultations, Research, Resources and News&Views. **CIOB Policy & Public Affairs [online]**. Available @ <https://policy.ciob.org/> [accessed 26 November 2018]. Policy latest is cover earlier in the e-bulletin.
- **Ambassadors** and informed about the CIOB ambassador programme

- **Magazines** – including information and access to *Construction Research and Innovation (CRI)*, *The Construction Manager Magazine (CM)*, and *Global Construction Review (GCR)*. CIOB Magazine [online]. Available @ [www.ciob.org/media-centre/magazines](http://www.ciob.org/media-centre/magazines) [accessed 26 November 2018];
- **CIOB Library** offering a collection of construction-related resources
- **Special Interest groups** incl. **Architecture & Surveying; Building Standards & Performance; Conservation, Adaptation & Refurbishment; Contracts & Dispute Resolution; Digital Technologies in Construction; European Projects; Facilities Management; Health & Safety; Innovation & Research Panel; and Time Management**. CIOB, Special Interest [online]. Available @ [www.ciob.org/special-interest](http://www.ciob.org/special-interest) [accessed 26 November 2018]
- **Research** – The CIOB research section is freely available (**Note:** but its title, source and date of publication must be acknowledged if cited. Any content, including data and analysis, must also be reported accurately and not used in a misleading context). **CIOB Research [online]**. Available @ <https://policy.ciob.org/research/> [accessed 26 November 2018]. Archived research that CIOB has undertaken incl. *The Changing Role of Women in Construction; The Cowboy Builder: A Public Perspective; Innovation in Construction; Occupational Stress in Construction; UK Construction Report on Sustainability; Managing the Risk of Delayed Completion*, and others. **Please note** the CIOB's latest research is covered earlier in this e-bulletin.

Chartered Institute of Building (CIOB), 2018, *Insight* [online]. Available at: [www.ciob.org/insight](http://www.ciob.org/insight) [accessed 26 November 2018]

[Back to top](#)

## 7. **Inclusive Design Hub for the Built Environment** -

This Inclusive Design Hub for the Built Environment is a project of The Design Council who champion great design that improves lives and makes things better.

This Hub is a collection of the latest guidance and best practice on inclusive design in the Built Environment and has the following sections that can be searched upon incl.

- **Sectors:** Culture & Leisure; Transport; Education; Housing; Healthcare; Commercial; Heritage; Government; and Retail
- **Scale & Setting:** Urban; Public realm; Neighbourhood; Single Building; and Rural
- **User Journey:** Circulation and navigation; Visitor facilities; Entry and Exit; Arrival; Pre-arrival and Information
- **Resource Type:** Guidance and Interpretation; Technical resources; Case studies and good practice; and Regulation and legislation
- **Inclusion Type:** Physical inclusion; Visual inclusion; Cognitive inclusion; Social inclusion; Auditory inclusion; Demographic inclusion
- **Development phase:** Design; Management and Maintenance; Planning; Consultation and Engagement; Construction and Inception and definition.

Further information and to search upon the **Inclusive Design Hub**, please visit **The Design Council** [online]. Available at [www.designcouncil.org.uk](http://www.designcouncil.org.uk) [accessed 26 November 2018] and select **Projects** and **Inclusive Design Hub for the Built Environment** [online]. Available at: [www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment](http://www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment) [accessed 26 November 2018] and click on 'Search the hub'

Source: The Construction Information Service (CIS) - *Briefing (UK – November 2014)* [online]

**Please note:** CIS can be accessed through the **Athens gateway** <http://www.openathens.net/> and by selecting 'IHS Information Services'. The Briefing can be downloaded from the CIS homepage.

[Back to top](#)

## 8. **Building Research Establishment (BRE)**

BRE are an innovative group of researchers, scientists, engineers and technicians who share a common goal – to make the built environment better for all.

Through the BRE Group companies BRE and BRE Global, they generate new knowledge through independent research. This is used to create the products, standards and qualifications that help to ensure buildings, homes

and communities are safe, efficient, productive, sustainable and enjoyable places to be. BRE customers use their expertise and services to deliver their social, environmental and economic goals.

Useful web links provide useful information resources incl.

- **News and Events** [online] and available @ <https://bregroup.com/news> [accessed 26 November 2018]
- **BRE Services** incl. Advisory, Conferences, Research, Testing, Certification and listing, Expert witness, Standards, and Training [online]. Available at: <https://bregroup.com/services/> [accessed 26 November 2018]
- **BRE Expertise** incl. BIM, Fire, Resilience, Security, Energy, Innovation, Safety, and Sustainability [online]. Available at: <https://bregroup.com/expertise/> [accessed 26 November 2018]
- **BRE Sectors** Incl. Property, Product manufacturing, and Construction [online]. Available at: <https://bregroup.com/sectors/> [accessed 26 November 2018]
- **BRE Products** incl. BREEAM, BRE Academy, Digital tools, CEEQUAL, Home Quality Mark, LPCB, SABRE, and SmartSite [online]. Available at: <https://bregroup.com/products/> [accessed 26 November 2018]
- **BRE Networks** incl. APRES, BRE Innovation Parks Network, BRE Women's Network, Centre for Smart Homes & Buildings, Commercial Partnerships, Constructing Excellence, and UK Green Building Council [online]. Available at: <https://bregroup.com/networks/> [accessed 26 November 2018]

Building Research Establishment (BRE) [online] and available @ <https://bregroup.com/> [accessed 26 November 2018]

[Back to top](#)

## 9. **Global Research Gateway: CBRE's online resource for Real Estate Research -**

- CBRE, the global leader in real estate services and investment.

Every day, in markets around the globe, CBRE apply insight, experience and resources to help clients make informed real estate decisions. Every year, they complete thousands of successful assignments across a wide range of markets and [real estate service lines](#).

CBRE's deep experience and expertise allows them to paint a precise picture of global commercial real estate conditions and trends. It allows them to recognize opportunities quickly and take advantage of them.

CBRE's mission is to deliver consistently superior results by:

- Always putting the client first
- Bringing the best talent to every assignment
- Collaborating across markets and service lines
- Capitalizing on the depth of our market information and insight

CBRE has a **Global Research Gateway**: Your source for Real Estate Research [online]. Available at <https://researchgateway.cbre.com/> [accessed 26 November 2018]

[Back to top](#)

## 10. **TRUSTDR (Trust in Digital Repositories) –**

**TRUSTDR (Trust in Digital Repositories)** – a research project that examined how to effectively manage the legal aspects of digital collections of learning resources and produced a policy development toolkit.

It should be especially used for those wanting to provide a sound legal foundation for an institutional open education policy. It did this by critically examining the cultural, educational and technical factors involved and produced practical solutions and analyses. It took a very broad approach to the subject and examined issues of professional and organisational change in relation to the use of technology in education. All the outputs are freely available under a Creative Commons attribution **CC-BY licence**. You can access the project web site via the TRUSTDR (Trust in Digital Repositories) website [online]. Available at: <http://trustdr.digitalinsite.co.uk/> [accessed 26 November 2018]

[Back to top](#)

## 11. **The CIT-EA Project Creating Innovative Technology – Enhanced Assessments)** –

**The CIT-EA Project Creating Innovative Technology – Enhanced Assessments)** – a research project that explored ways to increase the amount of assessment in Further and Higher Education using technology.

Its ‘signature’ approach was to use systems theory to explore and identify the barriers to the adoption of e-assessment and identify workable solutions – it also had a focus on using learning design concepts especially the use of ‘design patterns’ in the form of assessment re-design templates. All the outputs are freely available under a Creative Commons attribution **CC-BY licence**. You can find the project website via the CIT-EA Project Creating Innovative Technology – Enhanced Assessments website [online]. Available at:

<http://citea.digitalinsite.co.uk/> [accessed 26 November 2018]

[Back to top](#)

## 12. **COPAC\*** –

**COPAC** exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search you can discover the holdings of the UK’s national libraries (including the British Library), many University libraries, and specialist libraries [online]. Further information is available at [www.copac.ac.uk](http://www.copac.ac.uk) [accessed 26 November 2018]

Researchers and educators use COPAC to save time in their research, to quickly and easily discover and locate resources, to check documents details, review materials etc. Information professional trust COPAC to give them access to a unique pool of high-quality bibliographic information.

COPAC is a Joint Information Systems Committee (JISC) service, provided for the UK community based on an agreement with Research Libraries UK (RLUK). The service uses records supplied by RLUK members, as well as an increasing range of specialist libraries with collections of national research interest.

COPAC is a registered trademark of The University of Manchester.

**NOTE: Institution of Civil Engineers (ICE) Library catalogue has been added to COPAC**

COPAC has loaded the catalogue of the Institution of Civil Engineers Library onto COPAC. See the COPAC blog [online] and available @ <http://blog.copac.ac.uk/2015/04/13/institution-of-civil-engineers-library-catalogue-loaded/> [accessed 26 November 2018] for full details.

[Back to top](#)

**Also, please note:**

### **Top 20 Urban Planning Websites of 2017**

- This year, marking the sixth year of The Global Grid’s annual ranking, six new websites joined the ranks of their Top 20 Urban Planning Website selection. Last year’s top-ranking website are, however, holding tight to their positions with only two new additions in the top ten. This year’s list emphasizes the central role of urban policy.

Essbai S (2017) ‘Top 20 Urban Planning Websites of 2017’ [online], The Global Grid – urbanist news. local views. Available at <https://theglobalgrid.org/the-global-grid-top-20-urban-planning-websites-2017/> [accessed 26 November 2018]

[Back to top](#)



## **UCEM e-Library portrait**

UCEM e-Library portrait @ <https://www.ucem.ac.uk/supported-online-learning/elibrary/> [accessed 26 November 2018]



As of **November 2018**, a search of 'construction' on the internet produces over **1,900,000,000 items**. How long will it take you to find exactly what you are looking for?

The UCEM e-Library (accessed through the VLE) is a comprehensive and valuable online resource, enabling staff and students to access a wealth of up-to-date, credible and subject-specific information around the clock. The e-Library ensures that staff and students are kept informed of current and best practice from within construction and real estate and kept abreast of the latest developments within the profession.

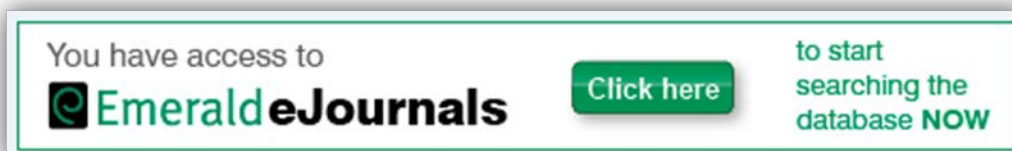
#### The UCEM e-Library can:

- provide a first point of call for staff and students to access digital resources
- add value and depth to work
- contribute to personal and professional development

#### What resources are available?

Access to

- Up-to-date information and online searchable databases from key educational and industry-specific sources; useful weblinks; e-books and e-journals,
- Research and reference material to assist and underpin written work,
- Current awareness on existing issues and trends surrounding Construction and Real Estate.



**NOTE:** For the above link to work you must ensure that you are logged-in to **Athens - Section 2 of the VLE e-Library**

People have access to so much information these days and particularly through the Internet. **“Demonstrating to both UCEM staff and students what their e-Library can do for them remains a key priority.”** Lucy Roper, UCEM Information Governance Manager

#### Some key facts and figures about the UCEM e-Library

Access to -

- over 2000 Full-Text Journal Titles (accessed through EBSCO Business Source premier, Emerald Insight, Taylor&Francis Online, IngentaConnect, as well as specialist Law Journals via Westlaw)
- over 1000 useful web links to e-Resources
- online searchable databases from 15 key industry specific & educational sources (including the RICS - Royal Institution of Chartered Surveyors online published material via ISURV and their Building Cost Information Service (BCIS), Building Services Research and Information Association (BSRIA), and industry specific journal, *Estates Gazette*.
- A discovery service to allow students and staff to search all the UCEM Library services and e-Resources in one place



- Athens gateway – access and identity management system to allow single-sign on to Library subscription serviced
- a direct link to UCEM’s entire library of study material catalogue
- UCEM Published Research and back issues of this eBulletin
- Access to UCEM Research and Occasional Paper series, Reports and Publications, and Archive
- Reading lists, bibliographies and literature reviews incl. Abstracts and indexes of external databases
- Further Information, Advice and Guidance notes, discussion documents and fact sheets

### UCEM e-Library enquiry service –

UCEM are constantly striving to improve the online resources available to support learning and development. Therefore, having listened and responded to requests, the e-Library has now set up an enquiry service so that library queries can be put direct to an information specialist. So why not email today at [library@ucem.ac.uk](mailto:library@ucem.ac.uk) ?

Or access the e-library online. Available @ [www.ucem.ac.uk](http://www.ucem.ac.uk) [accessed 26 November 2018]

and click on ‘Access your VLE’ & visit the ‘e-Library’

**& why not follow us on *Twitter* with our new @UCEMLibrary feed (also visible within the VLE e-Library)**



<https://twitter.com/UCEMLibrary> [accessed 26 November 2018]

[Back to top](#)



### Student career service –

The UCEM Careers Service is part of Student Services and provides students with professional Information, Advice and Guidance on all career related matters.

#### Reasons to use the UCEM Careers Service –

1. It’s industry specific and on trend. UCEM undertakes research and talks to employers all the time to keep up-to-date.
2. It’s tailor made; you may need a straight forward answer to a quick question or some in depth careers coaching. This is not “one size fits all”.
3. UCEM runs a great online Job Shop with a wide range of opportunities from two-week placements to overseas roles. Employers really want to connect with you and often come to UCEM first with entry level jobs. Why not [click here](#) and **add us to your favourites?**
4. UCEM offers a CV review service to help you produce this all-important marketing tool.
5. This service is free, confidential and recognised by MATRIX, the industry Quality Standard. It can challenge the way you see yourself and maybe your perception of Career Advice too.

#### On offer

- Advice by email, phone or Skype
- Career planning tools
- Interview practice
- Labour Marketing Information
- Job search skills
- Country specific advice for international students
- Specialist resources on the VLE

#### Top topics covered

- Job hunting, Graduate schemes and entry level jobs



- Career planning – it's essential these days
- Getting industry experience whilst you are studying
- CVs
- Work Life Balance

**Source:** UCEM, 26 October 2015, *CEM Careers Newsletter – CEM Student Career Service*, Reading: UCEM

[Back to top](#)

#### Related Links:

##### [GoConstruct.org website](#)

In September 2015 the Construction Industry Training Board (CITB) launched a response on behalf of many of the industry's training and professional bodies to the persistent call over the last year or more for a single portal – namely **GoConstruct.org** to help schoolchildren and others to explore job and career options within the construction sector, ranging from professional and managerial to trade and supervisory occupations. Hopefully it will cover every role you can think of? The CITB and Construction Excellence website have recommended everyone/readers to take a look at [www.goconstruct.org](http://www.goconstruct.org), pass on the link to those who can use it – and also provide feedback.

Ward, D., 17 September 2015, Constructing Excellence website [online]. Further information is available at: <http://constructingexcellence.org.uk/new-careers-website-launched-goconstruct-org-2/> [accessed 26 November 2018]

Or follow them on their Social Media sites. Access via the website **goconstruct.org**



@GoConstructUK



or

#### Related Link:

**A career in construction gives you the chance to be part of something BIG!** [goconstruct.org](http://goconstruct.org) [accessed 16 November 2018]

[#ElizabethLine](#)

## TARGETjobs

All TARGETjob graduate careers guides and directories are available for you to view online and download for future reference incl. **Property 2019** and **Engineering 2019**.

TARGETjobs (2018) 'Graduate careers guides and directories from TARGETjobs' [online]. Available at: <https://targetjobs.co.uk/careers-products> [accessed 26 November 2018]

[Back to top](#)

## [RICS Careers](#)

- The mission of Future Talent at RICS is to inspire and attract an inclusive, talented profession. As with UCEM it is vital that we attract the right talent, from a diverse range of backgrounds, provide and equip them with the right skills to ensure our profession is fit for the future.

RICS Future Talent runs initiatives and outreach programmes to students within schools, colleges and universities, representing and leading groups on careers, and support employers of all sizes and sectors to recruit the next generation of professionals.

- **Make a difference** – see projects you've worked on and know you achieved that
- **Good salary** – the average salary (see publication date) for a chartered surveyor is £60,000

- **Variety** – surveying is not an ordinary 9-5 desk job
- **Travel the world** – RICS is recognised globally so you can have the opportunity to travel the world
- **Accessible** – with many ways to qualify as a surveyor, it's a professional career that is open to everyone.
- **Career opportunities** – surveying skills are in demand, so you can develop and grow the career you want.

With the RICS Careers designated webpages you can find the following information incl.

- **Explore surveying?**
- **How to become a surveyor,**

and further advice for employers, those current studying, RICS Matrics, apprenticeships and a video entitled – 'The work that shapes our world | RICS'

Royal Institution of Chartered Surveyors (RICS), 2018, 'RICS Careers' [RICS website > Home > Careers] RICS [online]. Available at: [www.rics.org/uk/careers/](http://www.rics.org/uk/careers/) [accessed 26 November 2018]

[Back to top](#)

## Building a better you

- Property Elite's sole aim is to build better property professionals – supporting your career every step of the way, whether you are completing a RICS accredited degree course, your RICS APC or simply seeking engaging CPD.

Property Elite provides training and Continuing Professional Developments (CPD) services for property professionals, including students, APC candidates and corporate clients.

Their **Hot Topic Highlight blog** posts will arm you with the information on the hottest topics – ready to tackle an important client meeting or begin revising for your RICS APC final assessment.

The latest blog focuses on

### **Hot Topic Highlight – [Leasehold Reform Consultation and the Autumn 2018 Budget](#)**

This week Property Elite are taking a closer look at two hot topics for Autumn 2018; the recently published consultation on leasehold reform and the Autumn 2018 Budget. This will be relevant for a variety of pathways, including Building Surveying, Building Control, Quantity Surveying & Construction, Residential Property, Valuation and Commercial Property.

**Lucy Top Tip** – If you are an RICS APC candidate, be sure to check out their APC Support services, including submission reviews, question packs, revision quizzes and e-mock interviews. Further information is provided via the link below.

#### ***Consultation on Leasehold Reform***

**What is the latest position?** The UK Government has released a consultation on leasehold reform, which would make it unlawful, in almost all circumstances, to sell a leasehold house. Houses would, instead, be sold almost exclusively on a freehold basis. It is proposed that this will apply if the property has been held as freehold at any time and was acquired after 22 December 2017. There is also a proposed £10 p.a. limit on new ground rents.

#### ***Autumn 2018 Budget***

**What is the Budget?** In the UK, HM Treasury sets an Autumn annual Budget for the following tax year. An update is provided in the Spring Statement, also known as the 'mini Budget'. Both include proposed changes to public sector expenditure and HMRC revenues (i.e. tax).

**When was the latest Budget released?** 29 October 2018, by Chancellor of the Exchequer, Philip Hammond. This is the last Budget which will be released before Brexit, in 2019. The aims of this Budget were to prepare the country for a 'new chapter' in the economy. Areas covered incl.

**What are the key changes relating to personal taxation and wages (from April 2019)?**

**What are the forecasts for the economy in 2019?**

**What are the key changes affecting the property sector?**

- SDLT liability remove for first time buyers of shared equity homes up to £500,000
- Input of £500 into the Housing Infrastructure Fund, enabling construction of a further 650,000 homes
- Lettings Relief limited to where the owner shares occupation with the tenant

- Housing Association partnerships in England proposed to deliver 13,000 new homes
- £1bn guarantees allocated for smaller house builders
- 30% growth in infrastructure spending
- £30bn improvement measures for England's roads, e.g. motorway and pothole repairs
- £10m allocated to deal with abandoned waste sites

#### **What are the key changes affecting businesses?**

- 2% digital services tax from April 2020, relating to UK revenue of large technology companies
- PFI contracts to be abolished
- Annual Investment Allowance increased from £200,000 to £1m for 2 years
- Apprenticeship Levy contributions for small companies reduced from 10% to 5%
- Business rates for properties with a Rateable Value under £51,000 to be reduced by 1/3 over 2 years, which it is proposed will benefit 90% of independent shops, pubs and restaurants by approximately £8,000 p.a.
- Additional business rates relief for small businesses of £900m, £650m allocated to improving the state of the UK High Street and 100% mandatory relief for public lavatories
- Tax on plastic packaging which contains less than 30% recyclable material

**N.B.** nothing in this article constitutes legal advice.

Source: Lemen-Hogarth J (2018) *Hot Topic Highlight – Leasehold Reform Consultation and the Autumn 2018 Budget* [online], Property Elite LLP. Available at:

<https://property-elite.co.uk/blog/hot-topic-highlight-leasehold-reform-consultation-autumn-2018-budget> [accessed 26 November 2018]

Note: Jen Lemen-Hogarth is an Associate Tutor - UCEM and Partner - Property Elite

You can also download this blog in audio format and listen whilst on the move. When you're done, you can request further information and a free CPD certificate.

[Back to top](#)



**BUILT • ENVIRONMENT • EDUCATION**

## **UCEM's Sustainability Hub:**

### **The Routledge Sustainability Hub**

The Routledge Sustainability Hub is an innovative Knowledge Centre for the global sustainability community, this Hub offers a wide range of resources for everyone – whether you are a teacher, a student, a professional or a citizen of the earth curious to discover more about the many facets of sustainability.

Further information available at: [www.routledgetextbooks.com/textbooks/sustainability](http://www.routledgetextbooks.com/textbooks/sustainability) [accessed 26 November 2018]

[Back to top](#)

### **FreeBook: Pathways to Sustainable Agriculture**

Produced in Partnership with the ESRC STEPS Center

This FreeBook highlights some of the major findings that have emerged over the last decade of the STEPS Centre's research on sustainable agriculture.

It draws on four books which address three themes central to understanding how pathways emerge in agriculture, and how sustainability, is or indeed is not, generated. The three themes are: framing (how we understand agriculture and its roles in development), practice (how agriculture and agricultural research is carried out, and by whom) and governance (how agriculture is regulated and controlled).

[Click here](#) to gain free access to receive your FreeBook. [accessed 26 November 2018]

[Back to top](#)

## Sustainable Building Training Guide Launched

Produced by the Green Construction Board and the Construction Leadership Council this new guide has been endorsed by leading construction businesses and industry federations, training bodies, and professional institutions.

This accessible guide explains the principles of sustainable building in terms that are useful for the development of content for standards, qualifications, apprenticeships and training courses. Its purpose is to help the training sector to embed sustainability within all mainstream learning, including the national curriculum, apprenticeships, degrees and professional qualifications. It is therefore a key reference for anyone involved in construction training.

The publication, use, and uptake of this guide is a key recommendation of the “Each Home Counts” Reviews. Its adoption and use by the training sector will help us to address the so-called ‘performance gap’ and will ultimately aid the transition to an energy efficient and low carbon-built environment.

You can download a copy of the publication via the hyperlink provided below.

CIC - Construction Industry Council (2017), *Sustainable Building Training Guide Launched* [online]. Available at: <http://cic.org.uk/news/article.php?s=2017-02-28-sustainable-building-training-guide-launched> [accessed 26 November 2018]

[Back to top](#)

## National Trust celebrates 50<sup>th</sup> renewable energy programme installation

Since 2013 the **Renewable Energy Investment (REI) Programme** has been set up in 2013 to tackle the National Trust’s reliance on fossil fuels. Indeed, is the ambition for the REI programme to get National Trust properties off oil. Since then, 50 large renewable energy projects have now been completed through the programme, generating over 23,500,000kWhs of electricity and removing over 750,000 litres of oil from National Trust’s properties and places.

### Related Link:

National Trust (2017) ‘£30 million investment in a sustainable future’ [online]. Available at: [www.nationaltrust.org.uk/news/30-million-investment-in-a-sustainable-future](http://www.nationaltrust.org.uk/news/30-million-investment-in-a-sustainable-future) [accessed 26 November 2018]

Source: Heritage Update e-Bulletin [online], Issue **No 381**, 1 November 2018, The Heritage Alliance. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

Heritage Update: **the online edition** of the fortnightly e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018].

[Back to top](#)

## BBC Plastics Watch Resources

- Bringing together the best content from around the BBC to help you discover everything you want to know about plastics.

Areas covered within the BBC Plastics Watch Resource area incl.

- **Beach Cleans and Volunteering** – #2minutebeachclean; Find, join or start a free refill scheme; Marine Conservation Society; National Trust: Pitch in with a Beach Clean; Surfers Against Sewage; Thames 21: Volunteer for river clean ups; and The Wildlife Trusts: Volunteer,
- **Plastics Free Living** – Friends of the Earth: Can you go plastics free?; Marine Conservation Society: Can you go a month without plastic?; A Plastic Planet: A plastic-free aisle; and Surfers Against Sewage: Plastic free communities,
- **Changing the Plastic Based Economy** – New Plastics Economy; and The Plastics Pact,
- **Research** – *UN Environment: Single-use plastics: A roadmap for sustainability*; *UN Environment: The state of plastics: World environment day outlook 2018*; and *UN Environment: Exploring the potential for adopting alternative materials to reduce marine plastic litter*

BBC (2018) – Plastics Watch Resources [online]. Available at: [www.bbc.co.uk/programmes/articles/453T5Gp3FP6kmMrJBRS09d/resources](http://www.bbc.co.uk/programmes/articles/453T5Gp3FP6kmMrJBRS09d/resources) [accessed 26 November 2018]

[Back to top](#)

## Building Research Establishment (BRE) -

### **Sustainability:** [Practical guidance and support for delivering genuine sustainability benefits](#)

- Greater sustainability and its many benefits can be achieved for all buildings, homes, organisations and communities.

Internationally recognised as the developers of sustainability standards codes and methodologies (such as BREEAM) for buildings, homes, communities and infrastructure, the BRE expert team offers a comprehensive range of sustainability services. BRE can also help (further information provided via the below mentioned source) to reduce the environmental impact of construction processes, materials and operations, and provide leading edge information and advice on all aspects of the sustainability of:

- Sustainable construction of buildings
- Communities
- Infrastructure
- Sustainable organisations
- Materials, products and services
- Waste management
- Energy management services
- Training and publications

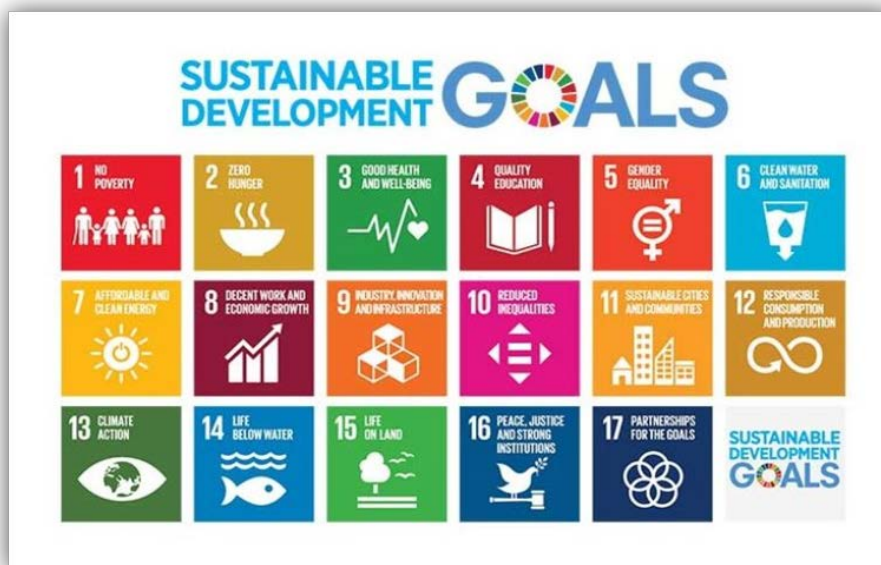
This and further information is available at

Source: **BRE / Sustainability** [online] and available @ <https://bregroup.com/expertise/sustainability/> [accessed 26 November 2018]

[Back to top](#)

### [Forgetting the big picture when considering sustainability](#)

Why do we consistently get lost in the detail and forget the bigger picture when considering sustainability? James York, Costain Group Corporate Responsibility Manager, considers this question.



Source: **Designing Buildings.co.uk Wiki**, (2018) 'Forgetting the big picture when considering sustainability' [online], last edited 27 April 2018. Further information is available at: [www.designingbuildings.co.uk/wiki/Forgetting\\_the\\_big\\_picture\\_when\\_considering\\_sustainability](http://www.designingbuildings.co.uk/wiki/Forgetting_the_big_picture_when_considering_sustainability) [accessed 26 November 2018]

A recurring sustainability conversation I find myself involved in is around Costain's company car fleet. This conversation normally starts with: "If Costain are serious about reducing CO2 emissions why do we not have Teslas (of other electric vehicles) in our company car fleet?" I believe this conversation occurs because people don't fully understand what sustainability really is.

My initial response in this conversation is to accept that we could spend more money on our car fleet, perhaps making some difference to our total emissions. I do stress through that while I too would like a Tesla, we have missed the bigger picture. Surely, we should be thinking about alternative ways to travel or even better, using the technology that we all have available to us to prevent the need to travel at all?

The conversation ends with me suggesting that we did have additional resource to spend on a lower emitting car fleet, I still wouldn't spend the money on premium electric vehicles.

This often raises eyebrows until I explain that if we were investing an arbitrary sum of £500,000 in research on carbon capture on HGV platooning we could potentially make a much more significant and sustainable impact to UK CO2 emissions.

If you take out the specific details of this conversation, the theme of delving straight into the micro level detail is very common and as such also clouds our understanding of how we all contribute to the UN Sustainability Goals (SDGs).

I don't mind admitting that I too also found myself lost in the detail of all 17 SDGs, trying to develop plans for each goal. While my approach was not wrong, and we do as an industry all contribute directly or indirectly to all 17 goals, our biggest influence is with 3, perhaps 4 – depending on your business.

By having a clear focus towards the SDGs that directly align with your company's purpose you can begin to contribute to national solutions for the SDGs that I believe are most important for our industry: clean water and sanitation (SDG6), affordable clean energy (SDG7) and industry, innovation and infrastructure (SDG9).

So, the next time someone asks you what sustainability means, celebrate the amazing contribution engineers play towards the UN SDGs and avoid the temptation of going into the detail.

Once of the challenges I face as a sustainability professional is communicating such a broad spectrum of issues, priorities and the resulting actions that have been taken, to a wide group of stakeholders.

I am really pleased that Costain has released its inaugural sustainability report because this helps me do just that, both within the outside the company. By bringing to life how we are prioritizing material sustainability issues, reporting against our targets and providing context with the SDGs, I hope we can move away from thinking that the best answer to all sustainability questions is always an employee car fleet of Teslas.

In October 2018, ICE together with the World Federation of Engineering Organisations are holding the first Global Engineering Congress to agree a worldwide response to deliver the UN Sustainable Development Goals.

**Related Link:**

### **What to expect of sustainability professionals**

Source: **Designing Buildings.co.uk Wiki**, (2018) 'What to expect of sustainability professionals' [online], last edited 16 November 2017. Further information is available at:

[www.designingbuildings.co.uk/wiki/What\\_to\\_expect\\_of\\_sustainability\\_professionals](http://www.designingbuildings.co.uk/wiki/What_to_expect_of_sustainability_professionals) [accessed 16 November 2018]

**Further information and related articles via the above mentioned link incl.**

- **Articles by ICE (Institution of Civil Engineers) on Designing Buildings Wiki,**
- **Consultant team for design and construction,**
- **Design team meeting,**
- **Navigating beyond sustainability buzzwords,**
- **Sustainability,**
- **Sustainable materials, and**
- **Sustainable procurement.**

Source: **Designing Buildings.co.uk Wiki**, (2018) 'Forgetting the big picture when considering sustainability' [online], last edited 27 April 2018. Further information is available at:



[www.designingbuildings.co.uk/wiki/Forgetting the big picture when considering sustainability](http://www.designingbuildings.co.uk/wiki/Forgetting_the_big_picture_when_considering_sustainability) [accessed 26 November 2018]

## Sustainability in building design and construction

Source: **Designing Buildings.co.uk Wiki**, (2017) 'Sustainability in building design and construction' [online], last edited 30 June 2017. Further information is available at:

[www.designingbuildings.co.uk/wiki/Sustainability in building design and construction](http://www.designingbuildings.co.uk/wiki/Sustainability_in_building_design_and_construction) [accessed 26 November 2018]

---

### **NOTE: Use of Wikipedia as a reference site:**

Wikipedia and use of other Wiki are increasingly being used by people in the academic community, as an easy source of information about anything and everything. However, citation of Wikipedia may not be considered acceptable, because Wikipedia is not a creditable source.

It is important to note that whilst Wikipedia may be one of the Web's most popular reference sites, it is not classed as a credible resource because anyone can be a contributor to the website.

This can be avoided by following two simple rules:

- Remember that any encyclopaedia (which includes Wikipedia and any other wiki) can be a good starting point for research, and not an ending point.
- An encyclopaedia can be good for getting a general understanding of a subject before you extend your study of the subject further. But you then must consider the subject in more depth using books, journal articles and other appropriate and credible resources. What you find in these other sources of information will be more detailed, more precise, and more carefully reasoned than the summary you found in an encyclopaedia. The sources you reference/cite in your work will therefore be these more detailed sources you have used.

---

[Back to top](#)

## openDemocracy

**openDemocracy** is an independent global media platform publishing up to 60 articles a week and attracting over 8 million visits per year. Through reporting and analysis of social and political issues, openDemocracy seeks to challenge power and encourage democratic debate across the world. With human rights as their central guiding focus, they ask tough questions about freedom, justice and democracy.

**openDemocracy** [online]. Available at: [www.opendemocracy.net/](http://www.opendemocracy.net/) [accessed 26 November 2018]

[Back to top](#)

## Sustainability in Facilities Management (FM) – A useful online tool and resource pool

The Sustainability in Facilities Management (Sustainability in FM) web site provides a practical, easy to use first point of contact for Facilities Managers where best practice case studies on sustainability topics can be found. All case studies are vetted to provide relevance to Facilities Management, practically and absence of marketing spin. The web site also provides Facilities Managers with background information on the most common sustainability issues and links out to recommend centres of excellence.

"Knowledge Transfer Partnerships" (KTP) are a Technology Strategy Board programme set up to improve competitiveness and productivity through the better use of knowledge, technology and skills. The Sustainability in FM research project is a partnership between the British Institute of Facilities Management (BIFM) and the University of Reading under this part government funded scheme.

The aim of the project is to develop practical tools for the FM professional so that they can improve the implementation and management of sustainable practices in the working environment.

**Please note:** To register on *Sustainability in FM* is free but to access the full content of the site registration is required.

Sustainability in Facilities Management (FM) – A useful online tool and resource pool [online] and available at: <http://www.bifm.org.uk/bifm/knowledge/sustainabilityinfm> [accessed 26 November 2018]

[Back to top](#)

## UCEM's commitment to the sustainability agenda –

**beesustainable** BUILT • ENVIRONMENT • EDUCATION

UCEM's strategic ambition is to develop and implement genuine sustainability credentials as a socially responsible organisation by;

- Ensuring our students leave their study with UCEM conversant in best practice in nurturing a sustainable built environment
- Making sustainability a central focus for UCEM at organisational, departmental and individual levels, and
- Establishing UCEM as a leader in the sustainability agenda through actively influencing industry and conducting research in our sector

UCEM, February 2015, *thirty-seven twenty-seven*, *Principal's Update*, Issue 13, Reading: UCEM

[Back to top](#)



### Useful web-links

**[A](#) - [B](#) - [C](#) - [D](#) - [E](#) - [F](#) - [G](#) - [H](#) - [I](#) - [J](#) - [K](#) - [L](#) - [M](#)  
[N](#) - [O](#) - [P](#) - [Q](#) - [R](#) - [S](#) - [T](#) - [U](#) - [V](#) - [W](#) - [X](#) - [Y](#) - [Z](#)**

### A

**American Society of Civil Engineers (ASCE)** Civil Engineering database [www.asce.org/](http://www.asce.org/) [accessed 26 November 2018] provides free access to over 80 thousand abstracts taken from ASCE publications since 1973.

**Association of Researchers in Construction Management (ARCOM)** brings together all those interested in construction management research. It aims to further the advancement of knowledge in all aspects of management in construction by support education, dissemination and research [online]. Further information available at: [www.arcom.ac.uk/index.php](http://www.arcom.ac.uk/index.php) [accessed 26 November 2018]

**ARCOM Abstracts database** – contains open access of every ARCOM conference paper since 1997 and is now a major resource for all active researchers [online]. Available at: [www.arcom.ac.uk/abstracts.php](http://www.arcom.ac.uk/abstracts.php) [accessed 8 November 2018]. **ARCOM Newsletters** - contains the latest news from the industry [online]. Available at: [www.arcom.ac.uk/newsletters.php](http://www.arcom.ac.uk/newsletters.php) [accessed 26 November 2018]

### B [\[Back to A to Z\]](#)

**BAILLI** Case Law Search (British and Irish Legal Information Institute) [online]. Further information available at: [www.bailii.org/form/search\\_cases.html](http://www.bailii.org/form/search_cases.html) [accessed 26 November 2018]

**BBC Education** [online]. Further information available at: [www.bbc.co.uk/news/education/](http://www.bbc.co.uk/news/education/) [accessed 26 November 2018]

**BBC Search** [online]. Further information available at: [www.bbc.co.uk/search/](http://www.bbc.co.uk/search/) [accessed 26 November 2018]

**BCSC (British Council of Shopping Centres)** was the professional body and authoritative voice for retail-led regeneration and for the management of and investment in shopping places [online].

**NOTE:** BCSC has changed and is now **REVO – Retail. Property. Community.** See **REVO** below. Further information available at: [www.revocommunity.org/](http://www.revocommunity.org/) [accessed 26 November 2018]

**BCSC Research + Education Document listing – Now REVO [online]** and available at: [www.revocommunity.org/documents/list](http://www.revocommunity.org/documents/list) [accessed 26 November 2018]

**BIFM (British Institute of Facilities Management)** - BIFM is Europe's leading FM Institute. Founded in 1993, the Institute provides information, education, training and networking services for its members [online]. Further information available at: [www.bifm.org.uk/bifm/home](http://www.bifm.org.uk/bifm/home) [accessed 26 November 2018]

**BIFM, FM World (Digital Magazine of the BIFM) Resources** [online]. Further information available at: [www.fm-world.co.uk/resources/](http://www.fm-world.co.uk/resources/) [accessed 26 November 2018] and [www.bifm.org.uk/bifm/knowledge/resources/fmworld](http://www.bifm.org.uk/bifm/knowledge/resources/fmworld) [accessed 26 November 2018]

**BIFM Library** holds all documents produced by the British Institute of Facilities Management [online]. Further information available at: [www.bifm.org.uk/bifm/knowledge/resources/library](http://www.bifm.org.uk/bifm/knowledge/resources/library) [accessed 26 November 2018]

**BIM Task Group** – The Building Information Modelling (BIM) Task Group support and develop the objectives of the Government Construction Strategy and the requirement to strengthen the public sector's capability in BIM implementation [online]. **N.B.** This group and programme is now part of the **Centre for Digital Built Britain (CDBB)** [online]. Further information is available at: [www.cdbb.cam.ac.uk/AboutDBB/FAQs](http://www.cdbb.cam.ac.uk/AboutDBB/FAQs) [accessed 26 November 2018]. Please refer to question 9 – What is the Digital Built Britain Programme? specifically.

**BIMForum** – The BIMForum's mission is to facilitate and accelerate the adoption of building information modelling (BIM) in the AEC (Architecture, Engineering and Construction) industry. Further information is available via the BIMForum Website [online] and @ <http://bimforum.org> [accessed 26 November 2018]

**BOMA International** (Building Owners and Managers Association International) – a federation of 91 BOMA U.S. associations and 17 international affiliates. Founded in 1907, BOMA's mission is to advance a vibrant commercial real estate industry through advocacy, influence and knowledge. BOMA Research and Resources [online] and available at: [www.boma.org/research/Pages/find-a-resource.aspx](http://www.boma.org/research/Pages/find-a-resource.aspx) [accessed 26 November 2018]

**British Property Federation (BPF)** – The British Property Federation is a membership organisation devoted to representing the interests of all those involved in real estate ownership and investment [online]. Further information available at: [www.bpf.org.uk/en/index.php](http://www.bpf.org.uk/en/index.php) [accessed 26 November 2018]

**BRE (Building Research Establishment)** is an independent and impartial, research-based consultancy, testing and training organisation, offering expertise in every aspect of the built environment and associated industries [online]. Further information available at: <https://bregroup.com/about-us/> [accessed 26 November 2018]

**BSRIA (Building Services Research and Information Association)** is a test, instrumentation, research and consultancy organisation, providing specialist services in construction and building services. Available at: [www.bsria.co.uk/](http://www.bsria.co.uk/) [accessed 26 November 2018]

**Builder and engineer** [online]. Available at: [www.builderandengineer.co.uk/](http://www.builderandengineer.co.uk/) [accessed 6 November 2017] – Free access to articles from Builder and Engineer magazine and locate information on current projects as well as company profiles, products and industry news.

**Building Conservation . com** [online] – Information resources for conservation, restoration and repairs. Available at: [www.buildingconservation.com/](http://www.buildingconservation.com/) and Articles directory by subject @ [www.buildingconservation.com/articles/articles.htm](http://www.buildingconservation.com/articles/articles.htm) [accessed 26 November 2018]

**Building Design Directory** – provides construction and environmental products / services / information for Architects, Engineers and Facility Managers [online]. Available at: [www.buildingdesign.co.uk](http://www.buildingdesign.co.uk) [accessed 26 November 2018]

**Building talks** [online]. Available at: [www.buildingtalk.com](http://www.buildingtalk.com) [accessed 26 November 2018]  
*Building Talks* is an email newsletter for Architects, Civil Engineers and Building Services Contractors.

**C** [\[Back to A to Z\]](#)

**CABER (Centre for Architecture and Built Environment Research)** seeks to develop innovative approaches, procedures, technologies and techniques that support the design, management, reconfiguration, maintenance and operation of buildings, their fabric and the environments they create. **Note:** CABER incorporates the previous Centre for Construction and Property Research (CPRC). CABER [online] and available @ [www1.uwe.ac.uk/et/research/caber.aspx](http://www1.uwe.ac.uk/et/research/caber.aspx) [accessed 26 November 2018]

**CBA (Council for British Archaeology)** is an independent charity bringing together members, supporters and partners to give archaeology a voice and safeguard it for future generations [online]. Available at: <http://new.archaeologyuk.org/> [accessed 26 November 2018]

**CBI (Confederation of British Industry)** is the UK's premier business lobbying organisation, providing a voice for employers at a national and international level [online]. Available at: [www.cbi.org.uk/](http://www.cbi.org.uk/) [accessed 26 November 2018]

**CBI Construction Section** [online]. Available at: [www.cbi.org.uk/business-issues/construction/](http://www.cbi.org.uk/business-issues/construction/) [accessed 26 November 2018]

**CBRE (Commercial Real Estate Services)** is the world's largest real estate services provider, with a preeminent leadership position in virtually all key business centers globally [online]. Available at: [www.cbre.com/EN/Pages/Home.aspx](http://www.cbre.com/EN/Pages/Home.aspx) [accessed 26 November 2018]

**CDBB (Centre for Digital Built Britain)** is a partnership between the Department of Business, Energy & Industrial Strategy and the University of Cambridge to deliver a smart digital economy for infrastructure and construction for the future and transform the UK construction industry's approach to the way we plan, build, maintain and use our social and economic infrastructure. CDBB [online]. Available at: [www.cdbb.cam.ac.uk/AboutDBB](http://www.cdbb.cam.ac.uk/AboutDBB) [accessed 26 November 2018]

**CEBE (The Centre for Education in the Built Environment)** - As part of the Subject Network of the Higher Education Academy (HEA) [online] and available at: [www.heacademy.ac.uk/](http://www.heacademy.ac.uk/) [accessed 26 November 2018] the Centre provides discipline based support to enhance the quality of learning and teaching in the UK Higher Education CEBE, **Built Environment community**.

**CEM (College of Estate Management)** – See **UCEM (University College of Estate Management)**

**CIC (Construction Industry Council)** – The representative forum for the professional bodies, research organisations and specialist business association in the construction industry [online] and available at: <http://cic.org.uk/> [accessed 26 November 2018]

**CIOB (Chartered Institute of Building)** The Chartered Institute of Building is the international voice of the building professional, representing an unequalled body of knowledge concerning the management of the total building process [online]. Available at: [www.ciob.org.uk/](http://www.ciob.org.uk/) [accessed 26 November 2018]

**CIOB Insight** Incl. Library and Information Services [online]. Available at: [www.ciob.org.uk/library](http://www.ciob.org.uk/library) [accessed 26 November 2018]

**CIOB – Construction Manager** [online]. Available at: [www.constructionmanagemagazine.com/](http://www.constructionmanagemagazine.com/) [accessed 26 November 2018]

**CIOB – Global Construction Review** [online]. Available at: [www.globalconreview.com/](http://www.globalconreview.com/) [accessed 26 November 2018]

**CIOB – Policy and Public Affairs portal** [online]. Available at: <http://policy.ciob.org/> [accessed 26 November 2018]

**CIRIA – The Construction Industry Research and Information Association** and CIRIA Resources [online]. Further information is available at: [www.ciria.org/default.aspx](http://www.ciria.org/default.aspx) [accessed 26 November 2018]

**CITB – Construction Industry Training Board** is the training board for the construction industry and partner in Construction Skills, the Sector Skills Council [online]. Available at: [www.citb.co.uk/](http://www.citb.co.uk/) [accessed 26 November 2018]

**Cities / buildings images database** [online]. Available at: [www.washington.edu/ark2](http://www.washington.edu/ark2) [accessed 26 November 2018] is a collection of images of buildings and cities from around the world aimed at students, researchers and educators.

**CLH - Community-Led Housing Toolkit**: a resource for local authority and housing professionals' [online]. Available at: <https://clhtoolkit.org/> [accessed 8 November 2018]. This Toolkit provides a wealth of technical and non-technical information on a broad range of issues relevant to CLH. There are five Toolboxes, covering (i) Housing (ii) Communities (iii) Legal (iv) Planning and (v) Finance.

**Constructing Excellence** (delivered with **bre**) is a platform for industry improvement to deliver excellence through clients, industry and users through collaborative working. Resources include publications, tools and newsletter [online]. Available at: <http://constructingexcellence.org.uk/> [accessed 26 November 2018]

**Construction Enquirer** – The best-read news website in construction [online]. Available at [www.constructionenquirer.com](http://www.constructionenquirer.com) [accessed 26 November 2018]

The **Construction Index** [online] provides a wide range of information services for the UK construction industry, incl. search engine of construction companies, daily construction news, market data, email newspaper letter, and Case Law analysis and legal commentary. Further information is available at: [www.theconstructionindex.co.uk/](http://www.theconstructionindex.co.uk/) [accessed 26 November 2018].

**Construction News** [online]. Available at [www.cnplus.co.uk](http://www.cnplus.co.uk) [accessed 26 November 2018]

**Construction Products Association (CPA)** represents the UK's manufacturers and distributors of construction products and materials. Further information available at Construction Products Association [online]. Available at: [www.constructionproducts.org.uk/](http://www.constructionproducts.org.uk/) [accessed 26 November 2018]

**Contractors World** magazines (incl. **Contractors World International** and **Contractors World UK & Ireland**) are the leading international digital publications. Delivering site reports, equipment reviews and comments of interest on the construction, mining, quarrying and related industries [online]. Available at: <http://cwmags.com/> [accessed 26 November 2018].

**COPAC** exposes rare and unique research material by bringing together the catalogues of c.90 major UK and Irish Libraries. In a single search you can discover the holdings of the UK's national libraries (including the British Library), many University libraries, and specialist libraries [online]. Further information is available at: <http://copac.ac.uk/> [accessed 26 November 2018]

**COTAC (Conference on Training in Architectural Conservation)** was formed in 1959 to improve the standard of education of everyone involved in building conservation, including craftsmen, professionals and home owners [online]. Available at: <http://ihbconline.co.uk/cotac2/> [accessed 26 November 2018]



**COTAC Digital Bibliography** [online]. Available at: [www.cotac.org.uk/digital\\_bib/](http://www.cotac.org.uk/digital_bib/) [accessed 26 November 2018]

**CPIC (Construction Project Information Committee)**, responsible for providing best practice guidance on the content, form and preparation of construction production information, and making sure this best practice is disseminated throughout the UK construction industry [online]. Available at: [www.cpic.org.uk/](http://www.cpic.org.uk/) [accessed 26 November 2018]

**CPRC (Construction and Property Research Centre), University of the West of England (UWE)** – the CPRC’s research activity is focused around the three inter-related stages of the built environment life-cycle, namely design, construction and maintenance [online]. Available at: [www1.uwe.ac.uk/et/research/cprc.aspx](http://www1.uwe.ac.uk/et/research/cprc.aspx) [accessed 26 November 2018]. **Note:** CABER (Centre for Architecture and Built Environment Research) mentioned above incorporates the CPRC.

**CPRC, UWE Research Repository** – Providing immediate world-wide open access to all UWE’s research output [online]. Available at: <http://eprints.uwe.ac.uk> [accessed 26 November 2018]

**CPRE (Campaign to Protect Rural England)** – CPRE campaign for a beautiful and living countryside. They work to protect, promote and enhance our towns and countryside to make them better places to live, work and enjoy, and to ensure the countryside is protected for now and future generations [online] Available at: [www.cpre.org.uk/](http://www.cpre.org.uk/) [accessed 26 November 2018].

**CPRE Resources** provides the latest news articles, policy guidance notes, published reports and research surrounding the following - Countryside, Farming and food, **Housing and planning**, Energy and Waste, and Transport [online]. Available at: [www.cpre.org.uk/resources](http://www.cpre.org.uk/resources) [accessed 26 November 2018]

**CPWR (The Center for Construction Research and Training)** – CPWR is dedicated to reducing occupational injuries, illnesses and fatalities in the construction industry through research, training and service programs. CPWR [online] and available at: [www.cpwr.com/](http://www.cpwr.com/) [accessed 26 November 2018]

## D [\[Back to A to Z\]](#)

The **Design Council** champions great design that improves lives and makes things better [online] and available @ [www.designcouncil.org.uk/](http://www.designcouncil.org.uk/) [accessed 26 November 2018]. See also **Inclusive Design Hub for the Built Environment** (a project of The Design Council) listed below.

**Designing Buildings Wiki** [online] and available at: [www.designingbuildings.co.uk/wiki/Home](http://www.designingbuildings.co.uk/wiki/Home) [accessed 26 November 2018] - an industry-wide, cross-discipline forum for finding and sharing information.

**Designing Buildings Wiki – Student resources** [online] and available at: [www.designingbuildings.co.uk/wiki/Student\\_resources](http://www.designingbuildings.co.uk/wiki/Student_resources) [accessed 26 November 2018] – *Designing Buildings Wiki* has a wide range of resources aimed at students of the built environment, as shown here.

**DOAB (Directory of Open Access Books)** is a service which harvests details of academic and mainly peer-reviewed books published on open access [online]. Available at: [www.doabooks.org/doab](http://www.doabooks.org/doab) [accessed 26 November 2018]

**DOAJ (Directory of Open Access Journals)** covers all open access scientific and scholarly journals, using a quality control system to guarantee the content [online]. Available at: <https://doaj.org/> [accessed 26 November 2018]

## E [\[Back to A to Z\]](#)



**The Economics Network** provides publications, events and other resources to support university teachers of economics throughout the UK and worldwide [online]. Available at: [www.economicsnetwork.ac.uk](http://www.economicsnetwork.ac.uk) [accessed 26 November 2018]

**Engineering and Physical Sciences Research Council (EPSRC)** is the main UK government agency for funding research and training in engineering and the physical sciences, investing more than £800 million a year in a broad range of subjects – from mathematics to materials science, and from information technology to structural engineering [online] and available at: [www.epsrc.ac.uk/](http://www.epsrc.ac.uk/) [accessed 26 November 2018]

**English Heritage** cares for over 400 historic buildings, monuments and sites – from world-famous prehistoric sites to grand medieval castles, from Roman forts on the edges of the empire to a Cold War bunker. Further information is available at: [www.english-heritage.org.uk/](http://www.english-heritage.org.uk/) [accessed 26 November 2018]. **Note:** English Heritage has now separated into two organisations. If you are looking for information on listing, planning, grants or heritage research and advice, please visit **Historic England** (listed below).

**Estates Gazette** The UK's largest commercial property news team [online]. Available at: [www.egi.co.uk/Property/Home.aspx](http://www.egi.co.uk/Property/Home.aspx) [accessed 26 November 2018] incl. **Estate Gazette, News from the nationals** – Round-up of the top property stories with quick links ... [online].

**European Real Estate Society (ERES)** was established in 1994 to create an international real estate network between academics and professionals across Europe [online]. Further information is available at: [www.eres.org/](http://www.eres.org/) [accessed 26 November 2018]. **ERES Digital Library** [online] and available at <http://eres.scix.net/cgi-bin/works/Home> [accessed 26 November 2018]

## **G** [\[Back to A to Z\]](#)

**Great Buildings** [Online]. Available at: [www.greatbuildings.com](http://www.greatbuildings.com) [accessed 26 November 2018] provides a database of buildings around the world and across all historic periods. You can search the database by building names, place or architect name. It provides access to 3D models, photographic images and architectural drawings.

**Glenigan** [online]. Available at: [www.glenigan.com/](http://www.glenigan.com/) [accessed 26 November 2018] provides UK construction project sales leads, market analysis, forecasting, and company intelligence.

**The Green Construction Board** [online]. Further information is available at: [www.greenconstructionboard.org/](http://www.greenconstructionboard.org/) [accessed 26 November 2018] – The role of the GCB is to provide leadership and action to enable the whole value chain (clients, contractors, product manufacturers and suppliers) to become more environmentally, sustainable, more productive and better placed to exploit the growing global market.

**The Guardian, Housing network** – providing insight, advice and best practice from your community [online]. Available at: [www.guardian.co.uk/housing-network/](http://www.guardian.co.uk/housing-network/) [accessed 26 November 2018]

**The Guardian, Higher Education network** [online]. Available at: [www.guardian.co.uk/higher-education-network](http://www.guardian.co.uk/higher-education-network) [accessed 26 November 2018]

## **H** [\[Back to A to Z\]](#)

**Health and Safety Executive (HSE)** – HSE is the national independent watchdog for work-related health, safety and illness. HSE are an independent regulator and act in the public interest to reduce work-related death and serious injury across Great Britain's workplaces [online]. Available at: [www.hse.gov.uk/index.htm](http://www.hse.gov.uk/index.htm) [accessed 26 November 2018] and **HSE – Health & Safety in the construction industry** [online] is available @ [www.hse.gov.uk/construction/](http://www.hse.gov.uk/construction/) [accessed 26 November 2018]

**HELM (Historic Environment Local Management)** - provides accessible information, training and guidance to decision makers in local authorities, regional agencies and national organisations whose actions affect the historic environment. **Note:** You can now find all HELM web content on the **Historic England** website [online] and available @ [www.historicengland.org.uk/advice/planning/local-heritage/helm-redirect](http://www.historicengland.org.uk/advice/planning/local-heritage/helm-redirect) [accessed 26 November 2018].

**Heritage Alliance** - The largest coalition of heritage interests in England, the Heritage Alliance is the umbrella body for national and major regional Heritage NGOs [online]. Available at: [www.theheritagealliance.org.uk/](http://www.theheritagealliance.org.uk/) [accessed 26 November 2018]

**Heritage Alliance's Heritage Update E-Bulletin** [online]. Available at: [www.theheritagealliance.org.uk/heritage-update](http://www.theheritagealliance.org.uk/heritage-update) [accessed 26 November 2018]

**Heritage Update: the online edition** of the fortnightly Heritage Alliance's Heritage Update e-bulletin [online] and available at: [www.theheritagealliance.org.uk/update/](http://www.theheritagealliance.org.uk/update/) [accessed 26 November 2018]

**Heritage Help** - Created by the Joint Committee of the National Amenity Societies, Heritage Help offers information and advice on matters related to the management and protection of local historic environments [online]. Available at: <http://heritagehelp.org.uk> [accessed 26 November 2018]

**Higher Education Academy (HEA)** – The Higher Education Academy champions excellent learning and teaching in higher education. The HEA are a national and independent organisation, funded by the four UK HE funding bodies and by subscriptions and grants [online]. Available at: [www.heacademy.ac.uk/](http://www.heacademy.ac.uk/) [accessed 26 November 2018] and **HEA Knowledge HUB** [online] and available at: [www.heacademy.ac.uk/hub](http://www.heacademy.ac.uk/hub) [accessed 26 November 2018]

**Higher Education Empirical Research (HEER)** Database comprises summaries of the latest published research on a range of topics related to higher education [online]. Available at: <http://heer.qaa.ac.uk/> [accessed 26 November 2018]

**Historic England** is the public body that looks after England's historic environment. Historic England champion historic places, helping people understand, value and care for them. Further information is available at: [www.historicengland.org.uk/](http://www.historicengland.org.uk/) [accessed 26 November 2018]

**Home Builders Federation (HBF)** – HBF represents and serves its members in a range of ways including; Ensuring senior politicians and government officials are aware of housing issues and the challenges faced by our members; and working with Government officials to ensure housing policies are introduced that facilitate housing supply, in a way that is workable for the industry [online]. Available at: [www.hbf.co.uk/](http://www.hbf.co.uk/) [accessed 26 November 2018]

**House Building Careers** (part of HBF) – Here you will be able to learn about the home building industry and how it benefits you, your community and the country as a whole [online]. Further information available at: <http://housebuildingcareers.org.uk/> [accessed 26 November 2018]

 [\[Back to A to Z\]](#)

**ICDE (International Council for Open and Distance Education)** – ICDE is the leading global membership organisation for enhancing the quality of open, distance, flexible and online education, including e-Learning [online]. Available at: [www.icde.org/](http://www.icde.org/) [accessed 26 November 2018]

**ICE (Institution of Civil Engineers)** ICE is a registered charity that strives to promote and progress civil engineering [online]. Available at: [www.ice.org.uk/](http://www.ice.org.uk/) [accessed 26 November 2018]

**ICE Virtual Library** [online]. Available at: [www.icevirtuallibrary.com](http://www.icevirtuallibrary.com) [accessed 26 November 2018] is a free database that indexes all ICE journals.

**IHBC (Institute of Historic Building Conservation)** is the principal professional body for building conservation practitioners and historic environment specialists working in England, Northern Ireland, Scotland and Wales, with connections to the Republic of Ireland [online]. Available at: [www.ihbc.org.uk](http://www.ihbc.org.uk) [accessed 26 November 2018]

**Inclusive Design Hub for the Built Environment** is a collection of the latest guidance and best practice on inclusive design in the built environment (and a project of **The Design Council**) [online]. Available at: [www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment](http://www.designcouncil.org.uk/projects/inclusive-design-hub-built-environment) [accessed 26 November 2018]

**INFABODE** connects its community of users with industry information from the Real Estate sector on one customisable online platform. Infabode reduces the amount of time people spend trying to access key information from the Real Estate industry. **INFABODE** [online]. Available at: [www.infabode.com/dashboard](http://www.infabode.com/dashboard) [accessed 26 November 2018]

**ITcon – The Journal of Information Technology in Construction** is a peer-reviewed scholarly journal on the use of IT in architecture, civil engineering and facility management [online] and available at: [www.itcon.org/](http://www.itcon.org/) [accessed 26 November 2018]

**J** [\[Back to A to Z\]](#)

**JOLT (Journal of Online Learning and Teaching)** - The **MERLOT Journal of Online Learning and Teaching** is a peer-reviewed, open-access, online publication that aims to promote scholarship in the use of the Internet and web-based multimedia resource in higher education [online]. Available at MERLOT Journal of Online Teaching and Learning (JOLT): <http://jolt.merlot.org> and <http://jolt.merlot.org/currentissue.html> [accessed 26 November 2018]. **Note:** See MERLOT below.

**JournalTOCs** is the largest, free collection of scholarly journal Title of Contents (TOCs) [online]. Available at: [www.journaltoocs.ac.uk/index.php](http://www.journaltoocs.ac.uk/index.php) [accessed 26 November 2018]

**JEBE (Journal for Education in the Built Environment)** is the leading UK publication for pedagogy in the built environment disciplines [online]. Further information is available within the **Higher Education Academy (HEA) Knowledge HUB** [online] and available at: [www.heacademy.ac.uk/hub](http://www.heacademy.ac.uk/hub) [accessed 26 November 2018]

**JEBE JISC Content** – This website provides an introduction to digital collections designed for education. They are mainly aimed at university students, researchers and librarians but many of the online archives are open to anyone @ [www.jisc.ac.uk/website/legacy/jisc-content](http://www.jisc.ac.uk/website/legacy/jisc-content) [accessed 26 November 2018]. **Note:** The JISC Content portal closed on 1 July 2016, however links are provided to Archives Hub and Digital Resources from this link.

**JORUM** – After 13 years delivering and sharing content across the higher education, further education and skills sectors the Jorum service and website was retired on 30 September 2016. However, many of the open education resources (OER) that were available in Jorum, access to their **Archive** can be accessed via the JISC website [online]. Available at: [www.jisc.ac.uk/website/legacy/jorum](http://www.jisc.ac.uk/website/legacy/jorum) [accessed 26 November 2018] where you can also gain access to JISC's full digital resources offer.

**L** [\[Back to A to Z\]](#)

**Leeds Metropolitan University's CeBE – Centre for the Built Environment** – CeBE has researched ways to reduce domestic energy use for nearly 20 years [online]. Available at: [www.leedsmet.ac.uk/cebe](http://www.leedsmet.ac.uk/cebe) [accessed 6 September 2018]. CeBE's Virtual Site Gallery contains construction details, case studies, site photographs, and plant details @ [www.leedsmet.ac.uk/teaching/vsite/gallery/](http://www.leedsmet.ac.uk/teaching/vsite/gallery/) [accessed 26 November 2018]

**Local Government Association (LGA)** - The LGA is the national voice of local government. They work with councils to support, promote and improve local government [online]. Available at: [www.local.gov.uk/](http://www.local.gov.uk/) [accessed 26 November 2018]

**LGA Knowledge Hub** - Knowledge Hub is the public sector's professional social network which helps people in local government connect and share online in a secure environment [online]. Available at: <https://khub.net/> [accessed 26 November 2018]

## M [\[Back to A to Z\]](#)

**MERLOT – Multimedia Educational Resource for Learning and Online Teaching.** The MERLOT project began in 1997, when the California State University Center for Distributed Learning (CSU-CDL) at [www.cdl.edu](http://www.cdl.edu) [accessed 26 November 2018] developed and provided free access to MERLOT at [www.merlot.org](http://www.merlot.org) [accessed 26 November 2018]. MERLOT is a curated collection of free and open online teaching, learning, and faculty development services contributed and used by an international education community.

**MERLOT Journal of Online Learning and Teaching** (JOLT and mentioned above) is a peer-reviewed, open-access, online publication that aims to promote scholarship in the use of the Internet and web-based multimedia resource in higher education [online]. Available at MERLOT Journal of Online Teaching and Learning (JOLT): <http://jolt.merlot.org> and <http://jolt.merlot.org/currentissue.html> [accessed 26 November 2018]. **Note:** The MERLOT community is joining with the Online Learning Consortium (OLC - formerly Sloan C and mentioned below) to expand scholarly research in the field of online education, with a merger of the Journal Online Learning (formerly JALN) and the Journal of Online Learning and Teaching (JOLT).

## N [\[Back to A to Z\]](#)

**National BIM (Building Information Modelling) Library**, the construction industry's free-to-use resource of the NBS (trading name of RIBA Enterprises Ltd) standard BIM content [online]. Available at: [www.thenbs.com/services/our-tools/nbs-national-bim-library](http://www.thenbs.com/services/our-tools/nbs-national-bim-library) [accessed 26 November 2018], NBS homepage is available at: [www.thenbs.com/](http://www.thenbs.com/) [accessed 26 November 2018], and NBS Knowledge [online] is available at: [www.thenbs.com/knowledge](http://www.thenbs.com/knowledge) [accessed 26 November 2018]

**National Skills Academy for Construction (NSAfc)** – The NSAfc is an industry-led framework supporting clients and contractors to identify, develop and realise employment and skills solutions across construction projects [online]. Available at: [www.citb.co.uk/national-skills-academy-for-construction/](http://www.citb.co.uk/national-skills-academy-for-construction/) [accessed 26 November 2018]. It is facilitated by the CITB – Construction Industry Training Board (see above).

**The National Trust** protect historic houses, gardens, mills, coastline, forests, woods, fens, beaches, farmland, moorland, islands, archaeological remains, nature reserves, villages and pubs [online]. Available at: [www.nationaltrust.org.uk/](http://www.nationaltrust.org.uk/) [accessed 26 November 2018]

**National Trust's Land use & planning** [online]. Available at: [www.nationaltrust.org.uk/what-we-do/big-issues/land-use-and-planning/](http://www.nationaltrust.org.uk/what-we-do/big-issues/land-use-and-planning/) [accessed 26 November 2018]

**NCE** [online]. Available at: [www.nce.co.uk](http://www.nce.co.uk) [accessed 26 November 2018] is the official website of the **New Civil Engineer**, a weekly magazine published for the ICE.

## O [\[Back to A to Z\]](#)

**OAJSE (Open Access Journals Search Engine)** – An Open Access e-Journal portal. Search for articles in Open Access journals from around the World (excl. India) [online]. Available at:

[www.oajse.com/index.html](http://www.oajse.com/index.html) [accessed 26 November 2018]. Specialist subject areas including Business and Management; Construction; Economics; Education; Law; Library and Information Science; and Social Sciences to name but a few. **Please note:** OAJSE has recently been upgraded.

**OECD (Organisation for Economic Cooperation and Development)** iLibrary is the online library of the OECD, featuring its books, papers and statistics and is the gateway to OECD's analysis and data. It replaced SourceOECD in July 2010 [online]. Available at: [www.oecd-ilibrary.org](http://www.oecd-ilibrary.org) [accessed 26 November 2018]

**OER Hub - Open Education Resources, Research Hub** – OER Hub gathers research on the impact of open education resources (OER) on learning and teaching practices [online]. Further information is available at: <http://oerhub.net/> [accessed 26 November 2018]

**Online Learning Consortium (OLC)** – The OLC is devoted to advanced quality online learning by providing professional development, instruction, best practice publications and guidance to educators, online learning professionals and organisations around the world. Further information is available at Online Learning Consortium [online] and available at: <http://onlinelearningconsortium.org/> [accessed 26 November 2018]

**OLC's Online Learning** – the official journal of the Online Learning Consortium [online]. Available at: <http://onlinelearningconsortium.org/read/> [accessed 26 November 2018]

**Open Praxis** – Open Praxis (published by the International Council for Open and Distance Education – ICDE) is a peer-reviewed open access scholarly journal focusing on research and innovation in open, distance and flexible education [online]. Available at: <http://openpraxis.org/index.php/OpenPraxis/index> [accessed 26 November 2018]

**Open University (OU) UK** [online] and available at: [www.open.ac.uk/](http://www.open.ac.uk/) [accessed 26 November 2018]

**Open University (OU) UK, Institute of Education Technology** [online] and available at: [www.open.ac.uk/iet/main/](http://www.open.ac.uk/iet/main/) [accessed 26 November 2018]

**ORBEE (Open Resources in Built Environment Education)** contains a collection of free, high quality teaching and learning materials for online learning or use in the classroom [online].

**P** [\[Back to A to Z\]](#)

[www.Parliament.co.uk](http://www.Parliament.co.uk), **Research briefings** produced by the House of Commons Library, the House of Lords Library and the Parliamentary Office of Science and Technology (POST). Parliament, Parliamentary business, Publications and records, Research briefings [online]. Further information is available at: <http://researchbriefings.parliament.uk/> [accessed 26 November 2018]

**The Planning Portal** - the UK Government's online planning and building regulations resource for England and Wales [online]. Available at: [www.planningportal.co.uk/](http://www.planningportal.co.uk/) [accessed 26 November 2018]

**Planning Advisory Service (PAS)** – The Planning Advisory Service provide consultancy and peer support, training sessions and online resources to help local authorities understand and respond to planning reform [online]. Available at: [www.local.gov.uk/pas](http://www.local.gov.uk/pas) [accessed 26 November 2018].

**Note:** PAS have a new website

**Planning Officers Society (POS)** – The Planning Officers Society is the voice for public sector planning practitioners, pursuing good and effective planning practice within local government [online]. Available at: [www.planningofficers.org.uk/](http://www.planningofficers.org.uk/) [accessed 26 November 2018]

**The Prince's Regeneration Trust** is a UK charity that helps redundant historic buildings perform a new function, unlocking a regeneration of the wider community [online]. Available at: [www.princes-regeneration.org/](http://www.princes-regeneration.org/) [accessed 26 November 2018]



**PPN (Property People's Network)** is open to all interested in land and property and provides a forum to network through a range of social activities and visits [online]. Available at: [www.ppnonline.co.uk/](http://www.ppnonline.co.uk/) [accessed 26 November 2018]

**Property Week** – Commercial property news [online]. Available at: [www.propertyweek.com/](http://www.propertyweek.com/) [accessed 26 November 2018]

## R [\[Back to A to Z\]](#)

**Regeneration and Renewal – Placemaking Resources incorporating *Regeneration & Renewal* magazine blog** [online]. Available at: <http://regen.net/home/> and [www.placemakingresource.com/](http://www.placemakingresource.com/) [accessed 26 November 2018]

**Revo – Retail. Property. Community** (formerly BCSC (British Council of Shopping Centres) is the professional body and authoritative voice for retail property and placemaking-led regeneration and for the management of and investment in shopping places [online]. Further information available at: [www.revocommunity.org/](http://www.revocommunity.org/) [accessed 26 November 2018]

**RICS (Royal Institution of Chartered Surveyors)** is an independent body committed to setting and upholding the highest standards of excellence and integrity in land, property and construction. See also Explore RICS [online]. Available at: [www.rics.org/uk/](http://www.rics.org/uk/) [accessed 26 November 2018]

**RICS > News & Insights** [online]. Available at: [www.rics.org/uk/news-insight/](http://www.rics.org/uk/news-insight/) [accessed 26 November 2018]

**RICS > Upholding Professional Standards** [online]. Available at: [www.rics.org/uk/news-insight/](http://www.rics.org/uk/news-insight/) [accessed 26 November 2018]

**RICS Library services** [online]. Available at: [www.rics.org/uk/footer/library-services/](http://www.rics.org/uk/footer/library-services/) [accessed 26 November 2018]

**RICS Library Online catalogue** – 2500 electronic documents selected and catalogued, plus books, magazine articles, law reports and transcripts [online]. Available at: <http://unicorn.rics.org/uhtbin/cgisirsi.exe/0/0/0/60/69/X> [accessed 26 November 2018]

**Royal Town and Planning Institute (RTPI)** – RTPI is the UK's leading planning body for spatial, sustainable and inclusive planning and is the largest planning institute in Europe with over 23,000 members. In 2014 they celebrate their Centenary [online]. Available at: [www.rtpi.org.uk/](http://www.rtpi.org.uk/) [accessed 26 November 2018]

## S [\[Back to A to Z\]](#)

**Savills Research** – Savills Research, Insight & Opinion provides advice and analysis to clients across the UK, with specialists in commercial, residential and rural property research [online] and available at: [www.savills.co.uk/insight-and-opinion/research.aspx](http://www.savills.co.uk/insight-and-opinion/research.aspx) [accessed 26 November 2018]

**Specification Online** – the free to use news and online products resource for specifiers working across the architectural and building sector [online] and available at: <http://specificationonline.co.uk> [accessed 26 November 2018]

**Supply Chain Sustainability School** – The Supply Chain Sustainability School represents a common approach to developing sustainability competence in the supply chain. It is a free resource available to any supplier, and is part of their continued commitment to lead the industry into a brighter, more sustainable future. Supply Chain Sustainability School [online]. Further information is available at: [www.supplychainschool.co.uk/uk/default-home-main.aspx](http://www.supplychainschool.co.uk/uk/default-home-main.aspx) [accessed 26 November 2018]



## T [\[Back to A to Z\]](#)

**The Telegraph – Property and construction industry:** The latest news, analysis and share prices on Britain's biggest construction and property companies [online]. Available at: [www.telegraph.co.uk/property-and-construction-industry/](http://www.telegraph.co.uk/property-and-construction-industry/) [accessed 26 November 2018]

## U [\[Back to A to Z\]](#)

**UCEM (University College of Estate Management)** is the leading provider of supported distance learning for real estate and construction professionals [online]. Available at: [www.ucem.ac.uk/](http://www.ucem.ac.uk/) [accessed 26 November 2018]

**University of the West of England (UWE), Centre for Architecture and Built Environment Research (CABER)** – The CABER seeks to develop innovative approaches, procedures, technologies and techniques that support the design, management, reconfiguration, maintenance and operation of buildings, their fabric and the environments they create. **Note:** CABER incorporates the previous Centre for Construction and Property Research (CPRC) CABER [online]. Available at: [www1.uwe.ac.uk/et/research/cprc.aspx](http://www1.uwe.ac.uk/et/research/cprc.aspx) [accessed 26 November 2018]

**UWE Educational Resources for the Built Environment (ERBE)** – The ERBE produces unique and highly respected educational resources for academic and professional use and incorporates the **Video Project** and the **Construction Website**. Further information can be found on the ERBE website [online] and available at: [www1.uwe.ac.uk/et/cp/erbe.aspx](http://www1.uwe.ac.uk/et/cp/erbe.aspx) [accessed 26 November 2018]

**UWE, ERBE, The Video Project** produces films on building construction, history and conservation. Established in 1992 and has produced over 30 films which are widely used nationally and internationally at all levels of academia, CPD and in professional practice [online]. Further information is available at: [www1.uwe.ac.uk/et/cp/erbe/constructionfilms.aspx](http://www1.uwe.ac.uk/et/cp/erbe/constructionfilms.aspx) [accessed 26 November 2018]

**UWE, ERBE, The Construction Website** is an interactive encyclopaedia covering construction, conservation and building history. It is expanded and revised on an annual basis [online]. Further information is available at: [www1.uwe.ac.uk/et/cp/erbe/constructionweb.aspx](http://www1.uwe.ac.uk/et/cp/erbe/constructionweb.aspx) [accessed 26 November 2018]

**UWE, Research Repository (CPRC)** – Providing immediate world-wide open access to all UWE's research output [online]. Available at: <http://eprints.uwe.ac.uk> [accessed 26 November 2018].

## V [\[Back to A to Z\]](#)

**Virtual Training Suite** - This website provides a set of free Internet tutorials to help students develop their Internet research skills for a particular university course [online]. Available at: [www.vtstutorials.co.uk/](http://www.vtstutorials.co.uk/) [accessed 26 November 2018]

## Z [\[Back to A to Z\]](#)

**ZETOC:** The monitoring and search service for global research publications, providing access to over 29,000 journals and more than 52 million article citations and conference papers through the British Library's electronic table of contents [online]. Available at: <http://zetoc.mimas.ac.uk/> [accessed 26 November 2018]

***The web links provided were correct at time of compilation.***

## Disclaimer

This e-bulletin is intended to highlight news items and provide basic background information only. UCEM cannot accept responsibility for the content of external websites. [Click here](#) to view and refer to UCEM's [Terms of use](#).

**Please note:** some web-links do not work on Internet Explorer and therefore you may need to use a PC with [Chrome](#), [Firefox](#) or **other browsers**.

---

**University College of Estate Management** (UCEM), Horizons, 60 Queen's Road, RG1 4BS, UK – UK (Free): 0800 019 9697, International: +44 (0)118 921 4696, Email: [Click Here](#)



**Lucy Roper** (BSc (Hons), MBA, DipHE, ACILIP, AFHEA)  
Information Governance Manager  
+44 (0)118 921 4661 | [www.ucem.ac.uk](http://www.ucem.ac.uk)

**University College of Estate Management**  
Horizons, 60 Queen's Road, Reading, RG1 4BS

## Student Central

**If you have any questions or queries you should submit them through Student Central (access via the VLE and Student Services) rather than by email, or contact a member of the Student Advice Team on +44 (0) 118 921 4696.**