



News Update July 2011

Enabling Innovation in the Built Environment

Have you joined our other Members and migrated over to _connect yet?

Click on join this network link to register your details on the _connect Platform and once registered join the Modern Built Environment KTN from the list of available networks.



Welcome

Welcome to the July 2011 update, where we bring you the latest news from across the KTN.



News

MBE KTN supports the Launch of Towards LifeHome 21

Over 200 people attended the launch of the RIBA/BRE Guide on Assisted Living on 30 June 2011, which was organised by the MBE KTN in partnership with the Creative Industries KTN, Health Technologies KTN, RIBA, BRE & The DAP ALIP Forum. This packed afternoon included presentations from major players from the digital community including Facebook, Microsoft and CISCO, case study examples of technologies and assisted living projects as well as an introduction to BRE Health, which builds on the advice given in the guide by providing a simple rating system for assisted living facilities such as care homes, retirement villages and individual homes.

The publication, Towards LifeHome 21: A Guide for Assisted Living is freely available to download from the [RIBA website](#).

Presentations from the launch on 30 June 2011 are available from the [Towards LifeHome 21 Group](#) on _connect.

First Ever Refurbishment Portal Launched

On 21 June, The National Refurbishment Centre (NRC) of which the MBE KTN is a member, launched a new web portal that will for the first time make empirical evidence on energy efficiency in real homes available to industry in one place.

The portal, was launched at Housing 2011 in Harrogate, is aimed at housing stock managers and other construction professionals, and provides users with access to an evidence base of knowledge related to the cost of a range of housing related retrofit activities and their carbon and energy savings. [More...](#)

Government Response to the Low Carbon IGT

On Wednesday 22 June the Government published its response to the Low Carbon Construction Innovation & Growth Team Report. The work that the KTN is carrying out to address the challenges laid out by the Innovation & Growth Team are highlighted in the report.

Key areas that the report highlights include:

- The need for a transparent plan.
- The need to reform public procurement.
- The need to make the most of export opportunities.
- The need for a new level of cooperation between Government and industry.

The report is available in full from the [BIS website](#).

Future of Public Private Partnerships (PPPs)

RICS has published new research on PPPs in the UK, Canada, USA and India. Recommendations include efficiency improvements to the PPP tendering process and associated costs. Read more on the [Process and Operational Efficiency Group](#).

Built Environment Executive statement: the IET is changing the way it works!

The IET is prioritising five sectors, Energy, Transport, Information and Communications, Design and Production and the Built environment to provide a focal point for people to exchange knowledge and find relevant information which will assist them as they progress there engineering career.

We invite you to read the Built Environment Executive statement and visit [Engineering and Technology for the Built Environment](#) to learn more about this sector, its strategic priorities and how you can contribute.



140 Million Euros European E2B Funding Launches in Brussels on 11 July

On Monday 11 July the call topics for 140 million Euros of European Funding for Energy Efficient Buildings are due to be announced. Full details to follow on the [Access e2b group](#) on _connect.

ICT for Manufacturing and Construction - New Technology Strategy Board Competition

The Technology Strategy Board will invest up to £7m to fund collaborative R&D projects that will mobilise the talents and inspiration of information and communication technology (ICT) companies to develop new approaches for key challenges in manufacturing and construction.

The closing date for entries is 27th July.

A group has been set up on _connect to help interested parties find potential project partners, [click here](#) to access the group.

Materials for Energy

A competition for funding for materials related projects to scale up or prototype technologies related to energy generation, energy transmission and distribution or energy storage. Products for building applications are in scope but 'materials for insulation' are excluded from applying. Competition opens 6

June, deadline is 3 August, £3m is available for full details and to register to apply [click here](#)

Building Performance Evaluation

A new tranche of money is now available under the Building Performance Evaluation call. Details can be found on the [Technology Strategy Board website](#) and on the [MBE KTN website](#) you will find the presentations from the launch event in Scotland. Applications in this part of the programme will be particularly welcome from buildings in Wales, Scotland and Northern Ireland.

Funding available for East Midlands SMEs

The iNet is able to offer support and funding to assist East Midlands SMEs with innovative, sustainable products, processes or designs until September 2011. With innovation support funds of £30,000, the iNet can offer SMEs support worth up to £7,000 per company/project.

Apply to [Charles Meynall](#). The deadline for last gasp applications is midday on Friday 29th July, and more critically, any project submitted must be completed by 26th August. So we can only accept short, sharp projects that can be brought in within that time frame.

For further information on a whole range of funding sources, please see our [Funding page](#) on the website.



ICASE Awards

The Creative Industries KTN have extended their iCASE Awards deadline to 28th July.

Visit [ICASE Group page](#), for guidance on how to submit and a downloadable application form.

Post-doctoral research fellowships in sustainable and resilient infrastructure at the University of Leeds

The Institute for Resilient Infrastructure at the University of Leeds are searching for talented and motivated researchers to work on two exceptional interdisciplinary projects focusing on the role of infrastructure in service provision and resource demand, funded by the UK EPSRC (Engineering & Physical Sciences Research Council). These positions are advertised at the post-doctoral level, but we will consider equivalent professional experience as well. **The deadline is the 29th of July.** [More...](#)

EPSRC RETROFIT 2050 online survey - Improving energy, water and waste efficiencies

Researchers, Judith Britnell and Professor Tim Dixon at the Oxford Institute for Sustainable Development, Oxford Brookes University are looking for individuals to participate in an online survey on the challenges of retrofitting cities in the UK. They would like to receive responses on the barriers and triggers to rolling out the retrofit agenda, the emerging technologies that could bring about change and the driving forces that will impact on the future. The survey is part of a research project which aims to examine how we re-engineer our cities in response to climate change challenges.

The questionnaire should take no longer than 20 minutes to complete. As a thank you, participants have the opportunity to be entered into a prize draw for a bottle of champagne. The survey will close at 6.00pm on Wednesday 20 July 2011.

[Click here](#) to access the survey.

Skanska Supply Chain Green Solution Award 2011

Skanska is seeking green solutions from its current and supply chain partners that can be incorporated in its future projects. The solutions should address challenges including minimising energy consumption, alternative energy and reduced embodied carbon. The competition closes on 29 July 2011. [Click here](#) for further details on how to enter.

Innovation Watch

This week we are going to focus our Innovation Watch on innovations around infrastructure.

New TRL initiative for innovation in the highways sector

The Transport Research Laboratory (TRL) has launched a new initiative to identify, evaluate and implement innovation in highways in the UK.

"Innovating with TRL" is a one-stop shop approach comprising two complementary strands. [More...](#)

County Council trials innovative "road recycling" scheme to save money

East Sussex County Council is trialling several innovative road recycling schemes as part of a two year programme of road improvements taking place across the country.

The schemes are designed to reduce the carbon footprint, waste production and cost of highway resurfacing work. [More...](#)

UK Power Networks Services installs innovative substation to enable Network Rail to increase rail services

UK Power Networks Services, formerly the Infrastructure Services division of EDF Energy, is involved in three of the UK's biggest rail projects - Thameslink, High Speed 1 (HS1), and Crossrail.

The next generation of rail developments will require both a joined-up approach and partnerships that drive energy efficiency at every stage. [More...](#)

Passenger flow monitoring technologies for railway stations

DILAX promoted their passenger flow monitoring products at RailTex 2011, the foremost conference for railway technology in the UK, in June 2011.

The DILAX solution technology uses image converters, essentially a camera with a wide-viewing angle, and a People Counting Unit (PCU). [More...](#)

Forthcoming events

Events from the KTN

Lean Project Management Workshop

21st July 2011, London

LEAN THINKING LTD in collaboration with MBE KTN, Buildoffsite, Interserve and ISG are delighted to announce the summer 2011 programme of workshop.

The Workshops will provide delegates with the overview of the most advanced project management system utilising **Lean Thinking** philosophies in conjunction with methodologies such as **Theory of Constraint, Systems Thinking, Self managing Teams, Integrated Planning** and **6 Sigma**. [More...](#)

Visit to Energy House Salford

16th August 2011, University of Salford, Manchester

Understanding how occupiers and owners of buildings behave is a key step in the journey to reducing energy consumption and carbon emissions from buildings and to developing successful sustainable buildings. The MBE KTN's User Behaviour Group is organising a one-day visit on 16th August 2011 to

the Energy House at the University of Salford to explore these issues. [More...](#)

INSITE11

4-5 October 2011, BRE, Watford

This two day event combines an exhibition of over fifty refurbishment innovations that aim to transform the retrofit arena with a lively conference programme that looks at how we revitalise our buildings and communities, create spaces that are great to live in and conducive to long term occupant wellbeing.

Latest developments include the Reality Zone from the National Refurbishment Centre and an International Zone focussing on how sustainable retrofit can be applied internationally.

[More...](#)

ICE BIM 2011

19th October 2011, London

Join 200 heads of industry at ICE BIM 2011 where an expert speaker line up will guide delegates through the BIM project lifecycle and share experiences and best practice. The day will consist of detailed case studies and discussions on how BIM can be of benefit throughout the supply chain and will focus on:

- The client view
- Supply chain delivery
- Support
- Asset management

[More...](#)

Other Events

Barnsley 'Think Low Carbon' Strategy Launch

8th July 2011, ICE, London

The Barnsley College 'Think Low Carbon' (TLC) strategy aims to create an internationally recognised centre of excellence in low carbon innovation located at the Honeywell site in Barnsley, Yorkshire. The project will facilitate research, development and skills for environmental technologies, enabling businesses to exploit emerging markets in this sector.

Alongside research and development, the Centre will provide support to small and medium enterprises, employers and individuals both within and outside the construction sectors. [More...](#)

Photovoltaics and Fire: Separating facts from fiction

12 July 2011, BRE, Watford

This event will bring together UK fire service officers and the PV industry together with other interested professionals, to exchange information, understand and discuss the fire implications from the wider use of photovoltaics and consider potential solutions. The key findings and recommendations from the conference will be published by BRE. Delegates will hear from respected fire safety representatives and leading PV industry experts. [More...](#)

A Smartgrid and Distribution Innovation Centre for the UK?

13th July 2011, Webinar

The Technology Strategy Board is creating a network of world-leading technology and innovation centres to transform the UK's capability for innovation in specific technology areas and help drive future economic growth. The £200m+ programme was announced in October 2010 by Prime Minister David Cameron.

This webinar will seek inputs from the broad communities of practice and stakeholders within the energy, ICT, transport and other sectors with a keen interest in supporting world class UK research and development activity within the Smart Energy Ecosystem. [More...](#)

Building Information Modelling (BIM) and the Future 13th July 2011, Birmingham Science Park

Building Information Modelling (BIM) is the process of generating and managing building data during its life cycle. Typically it uses three-dimensional, intelligent, dynamic building modelling technologies to support the efficient design, construction and operation of a facility. BIM works by enabling consultants to organise the information surrounding a building project, by entering all the building's details into databases. [More...](#)

Achieving more for less workshop 13th July 2011, CIHT Offices, London

This FREE event offers a series of morning presentations and an afternoon workshop. The workshop centres on the example of a dual carriageway roundabout improvement scheme involving reconstruction of the central island. It focuses on how real and immediate cost savings can be made during a typical road improvement / maintenance scheme. [More...](#)

The Design & Delivery of Low-Carbon Buildings: Minimising the Risks 18-19th July 2011, The Architecture Centre, Central Bristol

The Centre for Energy and the Environment at the University of Exeter is running a two day postgraduate level CPD course on the performance of low carbon buildings and the integration of low carbon energy systems, with the specific aim of reducing business risk. [More...](#)

Summertime Overheating in Buildings and the Built Environment 21st July 2011, CIBSE, London

Experience has shown us that overheating of the built environment is already a serious problem which will further intensify in the future, due to climate change. Overheating is especially severe in major cities and dense urban environments, impacting on both health and productivity. This one day event will address the policy, technical and practical issues surrounding summertime overheating. [More...](#)

31st Cement and Concrete Science Conference 12-13th September 2011, London

These are fundamentally important materials to modern society that are increasingly being used in a range of unconventional and innovative applications. The conference will provide an opportunity to discuss issues related to cement and concrete science. [More...](#)

World Sustainable Building Conference 18-21st October 2011, Finland

The World Sustainable Building Conference addresses new opportunities for:

- improving quality of life
- mitigating effects of climate change
- and making new business

[More...](#)

MBE KTN on Twitter now!

Do you want to know what Deborah Pullen, the leader of the MBEKTN team is up to? What events we are organising and attend or what articles and innovative products we come across?

Follow the [MBEKTN on Twitter](#) and find out!

Please feel free to pass this information onto your colleagues. If they would like to join the MBE KTN, please direct them to our [website](#) to become a Member and to be added to our distribution list for future e-alerts, e-newsletters and much more.....

If you're having trouble with our website please contact [Elena Poletayeva](#)

The Modern Built Environment Knowledge Transfer Network

www.mbektn.co.uk

information@mbektn.co.uk

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