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## Dear reader

The BUILD UP November newsletter offers you insight into a wide range of interesting topics: the new energy 2020 strategy of the European Commission, the EPBD recast cost-optimal requirements, and sustainable summer comfort are only some of those. Furthermore you will find information on the new community on energy efficient schools, but also on important events such as the final forum of the Concerto initiative, on tools dealing with either the calculation of degree days or the impact of cool roofs, as well as news from EU Member States. British news include for instance a planned retrofit of three well-known palaces and a roadmap towards zero carbon buildings while other news articles feature energy efficiency cooperations between Norway and Bulgaria plus Germany and India.

We cordially invite you to stay informed on and contribute to the BUILD UP portal.

Your BUILD UP team.

Discover the latest and most interesting items posted by the BUILD UP users this month:

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## Publications



### **Assessing cost-optimal levels within the new Energy Performance of Buildings Directive - Short introduction to methodology and challenges**

The recast of the EPBD includes a provision that national building energy performance requirements should be set with the view to achieving cost optimum levels by applying a harmonised calculation methodology. This document is a short version of a detailed report by BPIE (Building Performance Institute Europe) that has been created in support of the comitology process between European Members States ... [more](#)

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### **Keep Cool - From "cooling" to "sustainable summer comfort"**

The overall goal of the European project Keep Cool II - "Transforming the market from cooling to sustainable summer comfort" - was to implement activities that reduce the negative impacts from increasing cooling demand in Europe, through an increased market penetration of sustainable cooling approaches and technologies. This document gives an overview of the project and its results, that include guidelines ... [more](#)

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## **Energy 2020 - A strategy for competitive, sustainable and secure energy - Communication from the Commission to the European Parliament, The Council, The European Economic and Social Committee and the Committee of Regions**

This Communication from the European Commission to the European Parliament, The European Council, The European Economic and Social Committee and the Committee of Regions defines the energy priorities for the next ten years and sets the actions to be taken in Europe in order to tackle the challenges of saving energy, achieving a market with competitive prizes and secure supplies, boosting technological ... [more](#)

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### **Cases**



#### **Highlighted Case November 2010: An example of a very low energy house in the East of France**

This wood frame house of 162 m<sup>2</sup> has been built in 2008. It is equipped with a 8.5 kW wood stove, a solar thermal system for domestic hot water production (7.5 m<sup>2</sup> of solar collectors and a 500 litres water tank with an additional 3 kW electrical resistance) and a balanced ventilation system with heat recovery. The roof is partly covered with 26 m<sup>2</sup> of photovoltaic collectors (3 kW peak). ... [more](#)

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### **Communities**



#### **School of the Future - Towards zero energy with high performance indoor environment**

The aim of the 'School of the Future' community is to show and communicate shining examples of how to reach the future high performance building level for new and existing school buildings within the EU. ... [more](#)

To visit and join other communities: [Click here](#)

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### **Events**



#### **The CONCERTO City - Every City**

A major forum for European local decision makers and stakeholder. The CONCERTO Final Forum will present the results that have been drawn from the experiences of the 58 European cities that implement the CONCERTO concept. The participants will benefit from a unique opportunity to take the lessons home and implement similar actions in their

cities. The different sessions of the Forum will highlight identified ... [more](#)

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## 8th International Conference on System Simulation in Buildings

The 8th International Conference on System Simulation in Buildings will be held in Liege, December 13-15, 2010. Since 1982, SSB conference is an opportunity for researchers and specialists in Building and HVAC&R systems simulation to present high quality papers and attend sessions and discussions on most recent developments and progresses in this challenging and evolutionary sector. ... [more](#)

Other events: [Click here](#)

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## Tools

### Degree Days.Net

Degree Days.Net is a website that generates heating and cooling degree days for locations worldwide. Degree days are commonly used in calculations relating to building energy consumption. It is targeted to energy professionals that use degree days for calculations relating to the heating and cooling energy consumption of buildings. ... [more](#)

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### Cool Roofs toolkit

Cool roofs stay near ambient temperatures even on the hottest summer days. Cool roofs are defined by the radiative properties known as solar reflectance and thermal emittance. The energy and cost efficiency achieved when cool roofs are applied depend upon the initial roofing construction, the climatic conditions, the type of cool roofs applied and their specifications. In order to evaluate the energy ... [more](#)

Read about other interesting tools: [Click here](#)

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## News from the EU

### The "Innovation Union" – turning ideas into jobs, green growth and social progress

The European Commission's "Innovation Union", tabled on 6th October 2010, sets out a strategic approach to innovation, driven by the highest political level. The Innovation Union will focus Europe's efforts – and co-operation with third countries - on challenges like climate change, energy and food security, health and an ageing population. It will use public sector intervention to stimulate the private ... [more](#)

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## **Conclusions of the 3rd meeting of the Citizens Energy Forum, London, 21 – 22 October 2010 available**

The Third Energy Package is focussed on improving the operation of retail markets so as to yield real benefits for both electricity and gas consumers. As already announced in its Communication of 19 September 2007 and in order to drive these issues forward, the Commission established the Citizens' Energy Forum as a new regulatory platform based on the experience gained in the Florence and Madrid Forums ... [more](#)

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## **RURENER: A network of small rural communities for energy neutrality**

Energy savings and renewable energy sources are often taken from the environmental point of view and climate change issue. Small rural communities in Europe, joined in the RURENER Network have chosen to make energy policy an axis for economic and social development of their territories too. Create new activities, sell electricity, reduce costs for heating, optimise the use of local renewable resources ... [more](#)

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## **Conference on energy efficiency and ERDF, European Parliament, room A5E1, December 9, 2010, 2pm to 6pm**

Since May 21, 2009, the European Union has decided to spend 8 billion of euros to improve the energy performance of housing with the objective of social cohesion, through the revision of Article 7 of the Regulation European Regional Development Fund. To better understand and analyse the implementation and the added value of this measure for the European Union, the Urban Housing Intergroup will hold ... [more](#)

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## **News from the countries**



### **Insulation in three of Britain's most iconic palaces**

Three of Britain's most iconic and best-loved palaces are getting a green makeover through a rigorous insulation project, which will be installed by British Gas and Rockwool. After these historic buildings - Hampton Court Palace, Kensington Palace's Orangery and the Tower of London's Queen's House - have been properly insulated, they will cut a combined £130,000 from their gas bills and reduce their ... [more](#)

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### **Bulgarian-Norwegian cooperation project addresses energy efficiency and renewable energy**

The Norwegian Association of Local and Regional Authorities (KS) and the Union of Bulgarian Black Sea Local Authorities (UBBSLA) have developed a collaboration project on energy efficiency, renewable energy and the reduction of greenhouse gases. The organisations - both of which are Supporting Structures of the Covenant of Mayors -

established the Bulgarian-Norwegian cooperation project in order to ... [more](#)

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## **UK Energy and Climate Change Minister announces green homes revolution**

Thousands of new insulation workers will soon be hitting Britain's streets as part of a national effort to make people's homes warmer and cheaper to run. Chris Huhne, Energy and Climate Change Secretary, said on 2nd November 2010, that by 2015 up to 100,000 Green Deal workers could be employed in the effort to upgrade Britain's homes. Currently around 27,000 work in the insulation industry. Legislation ... [more](#)

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## **Saving energy in India**

German research results also help save energy in developing countries. Thus KfW Entwicklungsbank is introducing a calculation model from the Fraunhofer Institute for Building Physics in India to evaluate the energy efficiency of residential buildings. Particularly the emerging industrialising countries of India, China or Brazil are experiencing a rapid increase in the consumption of oil, coal and gas ... [more](#)

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## **Report provides roadmap for zero-carbon Britain**

A report published by the UK Centre for Alternative Technology outlines proposals to bring about a zero-carbon Britain by 2030 while emphasising the need for global collaboration. zerocarbonbritain2030 suggests the UK could reduce its greenhouse gas emissions by 90% by 2030, while offsetting the remaining 10% of emissions. In addition to adopting environmental technologies and reducing fossil fuel ... [more](#)

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## **Scottish report warns of compliance gap in building regulations**

A consultation report published by the Scottish Government indicates that there is a serious discrepancy between approved designs and actual building construction. In a survey carried out for the report, 96% of respondents replied that they believe there is a compliance gap for certain building standards, particularly in energy, noise, fire and structural stability. There is a need for greater certainty ... [more](#)

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## **INTERACT WITH BUILD UP**



### **You can also provide news for the BUILD UP Newsletter**

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## Submit your items to extend the content and knowledge on BUILD UP

If you are aware of other publications, events, tools or best practice cases in the field of energy efficiency in buildings, join the portal and submit the information. Other users will benefit from the extended available knowledge.

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