

Green Construction Roundup

February, 2010 No. 192

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### **Periodical Articles**

#### **It's whats on the outside that counts**

External insulation may not look pretty, but it is easier to install and is less intrusive than many internal solutions. This article looks at a nationwide trial, by the Energy Savings Trust, which aims to establish the effectiveness of solid wall external insulation. The end aim of the study is to measure the in situ performance of this technology and offer figures relating to the reductions in energy consumption and carbon emissions it offers.

*Building*. 19 February Pg. 60-61

#### **Rethinking biomass boilers**

In light of the Building Schools for the Future schemes using 86% biomass boilers, there are increasing claims that the multitude of issues involved in running biomass boilers are causing schools to turn theirs off. This is leading architects to reconsider specifying them.

*Architects Journal*. 11 February Pg. 10

#### **Masdar**

Article, in pictures, looking at Masdar city - the 'living laboratory of low-carbon design'. The city aims to secure Abu Dhabi's position as a leader in environmental masterplanning and renewable energy. The article looks at its placement, residential buildings and some of the outstanding architecture planned for the city.

*Architects Journal*. 11 February Pg. 24-33

#### **Charlton athletic**

Focuses on BPTW Partnership's Galleon Close, in London, probably the city's greenest housing terrace. The schemes most striking feature, its saw toothed roof form, is a response to the optimum solar orientation for photovoltaic panels.

*Architects Journal*. 11 February Pg. 34-39

#### **Exemplary progress**

Article looking at the construction and design of the Centre for Alternative Technology (CAT), in Powys, Wales. The development aims to demonstrate ways of living that are less energy demanding, both through daily use and embodied in construction.

*Architects Journal*. 11 February Pg. 40-41

#### **Thermal insulation: Vacuum insulated panels achieve higher insulation with thinner construction**

Vacuum-insulated panels (VIPs) achieve much higher insulation values than conventional insulants, such as mineral and glass fibre and cellular foam. Article looking at what VIPs are, Specifying VIPs and featuring a case study of Pool Architects' Seitzstraße apartments, Munich

*Architects Journal*. 04 February Pg. 35-38

<http://www.architectsjournal.co.uk/buildings/thermal-insulation-vacuum-insulated-panels/5213793.article>

### **Down to zero**

Are the prospects of Britain shifting to zero carbon new homes in the next decade realistic? This article asks industry experts, and takes a look at the country's biggest low carbon housing development, to date. The article also looks at a case study, at Hanham Hall, showcasing Britain's zero carbon ambitions. *CIBSE Journal*. Feb 2010 Pg. 36-42

## ***Publications***

### **Green ports**

Ports are under pressure from their customers to provide faster and more streamlined cargo handling; from their communities to become better neighbours, from legislators to become greener; and from their owners to remain profitable at a time of falling income.

In the current climate, it is becoming increasingly difficult for ports and terminal owners to achieve the necessary environmental improvements being enforced by legislation.

Royal Haskoning's 'Green Ports Initiative' is built on four key themes:

- sustainability
- environmental management
- emissions management
- climate change

To download Royal Haskoning's *Green ports* white paper, go to <http://www.royalhaskoning.co.uk/en-gb/Documents/Green%20Ports.pdf>

### End Note

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