

Green Construction Roundup

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### **Periodical Articles**

#### **Sustainability in practice: Modernism**

In Docomomo's annual lecture, Rab Bennets argued that sustainability could reintroduce integrity into architecture. This article presents an edited, abridged version of his talk.

*Architects Journal*. 28 January Pg. 35-38

#### **LED downlights**

This is a growing market; however, it is one which has yet to establish any firm standards. This article, by Sandy Patience, looks at what is available and advises that specifiers should stick with the brands that they trust.

*Architects Journal*. 28 January Pg. 40-41

#### **A haus in Hackney**

The last in the series on upgrading existing homes. This article asks, is it possible to refurbish a Victorian house in a conservation area to Passivhaus standards?

Discusses getting planning permission, the work involved and the leakage testing at the end of the refurbishment.

*Building*. 22 January Pg. 44-48

#### **Emerge from the sea**

Crown Estates' £75 billion offshore wind power programme is set to create a step change in an industry which is still in its infancy. This article looks at some of the hurdles that will need to be overcome.

*New Civil Engineer*. 21 January Pg. 18-19

#### **The way the wind blows**

Now that the Crown Estates' Round 3 programme is approaching the planning and consenting phase, this article looks at how the turbines will be anchored and investigates the current state of marine deep-foundation technology.

*New Civil Engineer*. 21 January Pg. 20-22

#### **District heating: The heart of the community**

The government's gradual unveiling of its definition for zero carbon, which will apply to all new houses by 2016, includes plans to offset further carbon emissions using on- and off-site solutions. One of the main off-site solutions is district heating.

More significantly, district heating might also hold the key for greening the existing housing stock.

Looks at why, when the technology exists and is used throughout Europe, do we still rely on individual heating systems.

*Building*. 15 January Pg. 44-45

<http://www.building.co.uk/district-heating-the-heart-of-the-community/3156143.article>

### **Sustainability: Carbon reduction**

The carbon Reduction Commitment Scheme launches in April; however, few are aware of what it is likely to mean to their business. This article guides you through the scheme covering; What the CRC is and how it will work; What the impact will be; and a Hypothetical cost model.

*Building*. 15 January Pg. 52-55

### **Mega 32GW of offshore windfarms awarded**

Development licenses have been awarded for the 'Round 3' offshore wind expansion, by the Crown Estates, which could create up to 32GW of new generating capacity. This article looks at what engineers will need to know to take best advantage of this. Includes a short piece on new foundation technology.

*New Civil Engineer*. 14 January Pg. 6-7

<http://www.nce.co.uk/news/energy/mega-32gw-of-offshore-wind-farms-awarded/5212869.article>

### **Watering the green**

The perceived failure of the Copenhagen Climate Summit has made it more important than ever for engineers to take the lead. This article looks at some of the steps that the water industry is taking to mitigate climate change.

*New Civil Engineer*. 14 January Pg. 18-19

### **Finally, they've noticed...Assessing 'pay as you save'**

The first of a three-part series on the energy efficiency of existing homes, this article looks at Pay As You Save (PAYS) which offers householders the opportunity to upgrade their homes without paying upfront. Instead, a charge is added to the home's electricity or council tax bill. This charge is less than the cost savings in fuel resulting from the upgrade and is expected to be spread over a period of up to 25 years.

*Building*. 08 January Pg. 42-45

<http://www.building.co.uk/finally-they've-noticed-assessing-pay-as-you-save/3155733.article>

### End Note

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