

Viewpoint

- 2 **Business is starting to take a longer-term, carbon-aware view**
Jason Thackray

News

- 3 **International news**
Technology for lower emission fossil fuel-fired power generation
New power plants for Vietnam, Morocco, France and Russia
EU ETS-wide cap for 2008–2012 10% down on first phase
New wind projects across Europe and US
Asia's poor suffer with rising oil prices
US to tackle geologic carbon dioxide sequestration
Offshore wind gets closer for US
First US nuclear plant application in 29 years
New CCS plant and emissions reduction project for Australia
Peak oil could 'trigger meltdown of society'
New transmission cable joins Finland and Sweden

6 **Home news**

- World's first legally binding emissions targets
Heavy oil processing and wind turbine projects for the North East
New CCGTs for Derbyshire, Nottinghamshire will be 'capture-ready'
Smart prepayment metering trial
Winter gas and electricity supplies 'secure'
BT plans to build 250 MW of on-site wind power
Isle of Wight to get waste gasification project
Devon's largest wind farm gets the go-ahead
First carbon capture plant will use post-combustion technology
Tidal stream power station proposed for the Welsh coast

Features

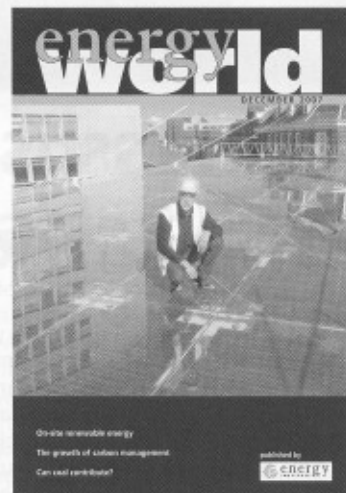
- 10 **UK businesses begin to take carbon management seriously**
Giles Barwell
- 12 **Carbon management around the world**
- 14 **Eco-towns – achieving zero-carbon communities through planning**
Kate Henderson
- 16 **Can coal contribute to the fight against climate change?**
The World Coal Institute
- 18 **Leading by example – one NHS Trust carbon management programme**
Anthony Hayward
- 19 **Growth of an on-site renewable heat and power business**
- 20 **Energy security – the effect of a global peak in oil supplies**
Geoff Loram
- 22 **Microgeneration – a drive toward mass marketing**
Neville Davis

Cover

This 700 m² photovoltaic canopy at Woking station feeds power into the local council's 'private wire' electricity system – see pages 19 and 22 for more about on-site renewables.

But much of the rest of this issue examines the growth of carbon management efforts by companies and their advisors – see the viewpoint article on page 2 and features from page 10 onwards.

Photo courtesy of PV Systems



Published by

Energy Institute
61 New Cavendish Street,
London, W1G 7AR, UK
e: info@energyinst.org.uk
www.energyinst.org.uk

Editor

Steve Hodgson
t/f: +44 (0)1298 77601
e: stevehodgson@btinternet.com

Editorial Officer

Louise Smith
t: +44 (0)20 7467 7142
e: lsmith@energyinst.org.uk

Membership

e: membership@energyinst.org.uk

Journal subscriptions

Chris Baker
t: +44 (0)20 7467 7114
e: cbaker@energyinst.org.uk

Advertisement sales

Chris Bean, TenAlps Publishing
t: +44 (0)20 7878 2415
e: chris.bean@tenalpspublishing.com

Printed by

Thanet Press Ltd, Margate, Kent

President

Sir Roy Gardner HonFEI

Hon Secretary

Joanne Wade FEI

Hon Treasurer

Peter Newman FEI

© Energy Institute 2007

Opinions expressed in *Energy World* are those of the authors individually and do not necessarily express the views of the Energy Institute as a corporate body.

Terms of Control

Energy World is circulated free of charge to all paid-up members of the Energy Institute.

To libraries, organisations and persons not in membership, it is available on a single subscription of £115 for 10 issues in the UK and £135 for overseas subscribers. Agency Commission – 10%. ISSN 0307-7942

Energy World is printed on wood-free, chlorine-free pulp sourced from a sustainable forest.

Energy Institute Registered Charity No. 1097899, 61 New Cavendish Street, London W1G 7AR, UK