

Energy Event

Energy efficiency and energy saving are right up there on plant engineers' agendas.

Brian Wall previews the forthcoming Energy Event 2010 conference and exhibition

The energy event



What?

The Energy Event 2010

When?

8-9 September

Where?

National Motorcycle Museum,
Birmingham

How?

Register online at
www.theenergyevent.com

September's Energy Event is one of Europe's largest exhibitions and conferences focusing solely on energy efficiency, procurement and management. The event, sponsored by Encore International, addresses most of the key energy issues through its free educational programme, while giving delegates a chance to catch up with some 120 exhibitors. It is also carbon neutral, through Carbon Clear, which measures and offsets the entire carbon footprint of the show, including visitor travel and waste.

Looking at the conference, there are to be two sections: the two half-day main event, called Energy Insight, and an accompanying stream of seminars delivered mostly by trade associations.

The former brings together experts and commentators in the fields of economics, climate change, energy policy and security, the nuclear industry and carbon reduction. Chaired by Jeremy Nicholson, director of the Energy Intensive Users' Group, the first day's topic is energy retail – aimed at helping delegates to understand energy policy.

Chris Train, director of network operations for National Grid, is due to talk about security of supply, exploring whether the situation is really as bad as many believe. He will also look at how energy generation and storage across the UK have changed over the last decade – and discuss whether LNG (liquefied natural gas) could be a solution for capacity constraints.

Then, on the second day, we move on to the climate agenda, with a keynote from Shell UK chairman and president of the Energy Institute, James Smith, who will examine whether government targets and a healthier environment are achievable. There will also be a case study delving into how best to integrate climate policy into an overall business and plant energy strategy.

As for the rest of the educational programme, that will be delivered by ESTA (Energy Services & Technology Association), MEUC (Major Energy Users Council) and CIBSE (Chartered Institute of Building Services Engineers), while npower, which is hosting its own zone at the show, will run complementary

seminars. For details, go to: www.theenergyevent.com

Turning to the exhibitors, everything from heating equipment to compressed air plant, motors, variable speed drives, ventilating systems, air conditioning equipment and lighting will be represented, alongside instrumentation and test equipment, including thermography, and energy monitoring and targeting.

Endress+Hauser, for example, is to show its eSight energy monitoring solution, which, it says, can help plants shave 20% off their energy bills. Essentially, it covers intelligent utility metering, automatic data collection, and browser-based data analysis and reporting.

Meanwhile, rotary vane compressor maker Mattei says it will show how businesses can improve the energy efficiency of their air systems. Its industry specialists will be on hand to offer guidance on energy-saving technologies, as well as services such as leak detection and heat recovery.

Achieving enlightenment

As for lighting technology specialist Steinel, it will be exhibiting a range of sensors and the firm's engineers will be available to talk about their site lighting surveys to guide carbon savings.

Visitors to Sabien Technology's stand will be able to find out more about energy wastage in boiler plant, caused by dry cycling (when boilers fire to compensate for standing heat losses, without contributing to the building's heating load). The company's M2G intelligent boiler load optimisation system recognises the phenomenon, and can achieve energy savings of between 10% and 25%.

Moving on to compressor manufacturer Atlas Copco's stand, visitors will be invited to view its ZS range of oil-free, energy-saving positive displacement screw blowers. The company says its new technology is, on average, 30% more efficient than conventional lobe solutions.

Then, for energy audits and maintenance using thermography, Flir will be demonstrating Meterlink – the first that allows Extech clamp and moisture meters to transfer data to Flir cameras, so that readings are embedded in thermal images. It means that plant engineers can transmit data from a clamp meter to the thermal camera, and confirm any relationship between temperature and load. 

