

EDITORIAL PROGRAMME 2012

Not only must buildings deliver a comfortable environment for those who work and live in them, but they must also minimise their energy consumption and emissions in so doing. Those are the guiding principles for our editorial programme for 2012.

JANUARY 2012

Boilers: Improving the efficiency of boiler plant by replacing it or operating it better is an extremely effective way of reducing carbon emissions. And most types of renewable energy depend on boilers to support them.

Commissioning: In partnership with the Commissioning Specialists' Association, we regularly promote the importance of commissioning and its vital contribution to the effective and energy-efficient operation of buildings.

FEBRUARY 2012

Piped Services: Prefabrication and new materials are the issues that dominate the design and installation of pipework systems. This feature will also focus on the pumps, valves and other fittings that make up a piped-services system.

Controls & Building-Management Systems: In conjunction with the Building Controls Industry Association, *Modern Building Services* will present four industry perspectives throughout the year.

MARCH 2012

Maintenance & Refurbishment: Services cannot be installed in buildings and then left. A planned programme of maintenance and refurbishment will keep equipment such as air-handling systems, air conditioning, heating and lighting operating to their best potential.

Towards low- and zero-carbon buildings: Reducing the carbon emissions with traditional services is the vital first step towards zero-carbon buildings – even before considering renewable energy to make up the inevitable shortfall.

Preview: EcoBuild 2012 (20 – 22 March 2012).

APRIL 2012

BREEAM: Reflecting the necessity for reducing the carbon footprint of existing buildings to help meet Government carbon-reduction targets, BREEAM is being developed to include refurbishment – both domestic and non-domestic. We will look at how the scheme can help maximise the environmental performance of buildings.

Lighting: One of the most effective ways of reducing the energy consumption of many buildings is to focus on its lighting – including lamps, luminaries and, importantly, how lighting is controlled.

PREVIEW: BCIA National Conference & Exhibition 2012 (10 May 2012).

MAY 2012

Renewable Energy: Once you have achieved an energy-efficient building with efficient plant, efficiently run comes the opportunity to consider renewable energy. Our feature will cover heat pumps, biomass, solar energy, natural ventilation and daylight.

Controls & Building-Management Systems: This month sees the second in the series of industry viewpoints on controls and building-management systems –including input from the BCIA.

Preview: HEVAR & Sustainability Live 2012 (22 – 24 May 2012).

JUNE 2012

Air Conditioning: Chilled beams, fan-coil units, VRF – there is a host of ways to achieve comfortable buildings in an energy-efficient way. Our annual feature will look at the latest developments.

Commissioning: The second of our two features this year in partnership with the Commissioning Specialists' Association to promote the importance of commissioning and stimulate better practice.

JULY 2012

Maintenance & Refurbishment: The long-range targets for reducing carbon-dioxide emissions open up major opportunities for energy-efficient building refurbishment and maintenance. Our feature will focus on the potential for more efficient heating, air conditioning, ventilation, lighting and hot water.

Domestic hot Water and Water Services: These services in buildings use a valuable resource (water) and energy to heat it. There is a pressing need to reduce both. This feature will also consider pressure booster and water treatment.

AUGUST 2012

Energy-Efficient Building Systems. Unless it is part of a system designed to exploit its capabilities, even the most energy-efficient equipment cannot deliver its full potential. This feature will cover heating, air conditioning, lighting and ventilation to name a few.

Controls & Building-Management Systems: Our series of perspectives on controls & building-management systems presented in collaboration with the BCIA and will include the association's annual market analysis.

SEPTEMBER 2012

Boilers: The approaching heating season provides the ideal time to think about boilers. With replacement comes the challenge of integrating new boiler technology with existing heating systems and with renewable energy.

Piped Services: Heating and air conditioning in many buildings rely on extensive systems of pipework to convey hot and chilled water. Unless the network of pipes is well designed and carefully installed, the services installation will be perceived as inefficient and ineffective.

Preview: M&E Building Services Event and Energy Solutions 2012.

OCTOBER 2012

Whole-Life Cost: 'Value engineering' to reduce the capital cost of a project can be relied on to have the opposite effect on whole-life cost. This feature will explore the potential for relatively small up-front expenditure to make a big dent on the whole-life cost of a building.

Quick Fixes: In looking for ways of improving the energy performance of buildings and their Display Energy Certificates, what are the quick, simple and highly cost-effective approaches? Expect some surprises, as well as being reminded of a host of tried-and-trusted techniques.

NOVEMBER 2012

Space Heating: Just as buildings are used for many different purposes, so there is a wide range of approaches to heating them. This feature will consider radiator systems, underfloor heating, radiant heating, warm air heating, heat pumps and air conditioning systems to deliver heating.

Controls & Building-Management Systems: The last of our series of industry perspectives this year on controls & building-management systems in conjunction with the BCIA.

DECEMBER 2012

Maintenance & Refurbishment: Ever-more challenging Government targets for reducing carbon emissions cannot be achieved without effective maintenance of building-services equipment and using the opportunities presented by refurbishment to reduce the carbon footprint of buildings.

Green Deal: How will commercial organisations and householders respond to the opportunity to invest in energy-saving measures that produce more savings than their repayments? A tricky question, perhaps, but our feature will have plenty of ideas of energy-saving investment.

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