

## Editorial Programme 2008

### JANUARY 2008

**Boilers:** As important today as the heat output of boilers are their emissions — both carbon dioxide and oxides of nitrogen. Our feature will focus on minimising the effect of boilers on the environment and the special role of biomass and biofuel boilers.

**Chilled beams and ceilings:** The market for chilled beams and ceilings is growing rapidly, driven by improvements in their performance and their potential for helping meet the requirements of Part L of the Building Regulations.

### FEBRUARY 2008

**Building certification:** Energy performance certificates for buildings will be coming into effect during 2008, with the intention of influencing the attitudes of developers and occupiers to the carbon efficiency of their buildings. This feature will examine the new energy rules for buildings and the role of building-services technology in reducing their energy consumption.

**Controls and building-management systems:** In conjunction with the Building Controls Industry Association, *Modern Building Services* will present a series of industry perspectives throughout the year on controls and building-management systems.

### MARCH 2008

**Maintenance and refurbishment:** Achieving the reductions in carbon emissions set by the Government cannot be achieved without effective maintenance of building-services equipment and using the opportunities presented by refurbishment to reduce the carbon footprint of buildings. This feature is the first of three planned during this year.

**Electrical services:** The publication of the 17<sup>th</sup> Edition of the Wiring Regulations on 1 January and their coming into effect from 1 July 2008 provides the ideal opportunity to reflect on their impact on electrical installation in buildings.

Preview to Manchester HEVAR Show (25 – 26 March)

### APRIL 2008

**Piped services:** The provision of heating and air conditioning in many buildings relies on the provision of 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.

**Lighting:** Achieving effective lighting in buildings is both a science and an art. This feature will consider both aspects of lighting systems and look at successful projects in the 2008 Lighting Design Awards.

### MAY 2008

**Domestic hot water:** Domestic hot water is a crucial service in buildings such as hotels, leisure centres and restaurants — and an important service in virtually all other buildings. Our feature will look at efficient and effective methods of generating hot water and delivering and using it.

**Controls and building-management systems:** This month sees the second in the series of industry viewpoints on controls and building-management systems from the Building Controls Industry Association.

NEMEX Preview (20 – 22 May 2008)

### JUNE 2008

**Air Conditioning:** Its contribution to global warming and climate change itself necessitating the greater use of air conditioning is a difficult dilemma. Air conditioning must continue recent trends and become more efficient and have less environmental impact.

**Commissioning:** The importance of commissioning during the entire life of a project and the resulting building will be the focus of this feature. Not only should commissioning be planned into a project, but building-services systems should be regularly recommissioned during the life of a building.

### JULY 2008

**Maintenance and refurbishment:** Today's buildings require services that are designed for today's conditions and requirements. Building services that are just a few years old may not meet current needs, especially in the fast-developing commercial world, and refurbishment or replacement are options that must be considered.

**Water services:** With increasing awareness of the limitations on the water supply comes the need to use less mains water and exploit rainwater harvesting and grey water. This feature will also consider how to reduce water consumption, pressure boosting and water treatment.

### AUGUST 2008

**Energy-efficient building systems:** Unless it is part of a system designed to exploit its potential, even the most energy-efficient equipment cannot deliver its full potential. This feature will cover heating, air conditioning, lighting, ventilation and building-management systems.

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

### SEPTEMBER 2008

**Boilers:** As the heating season approaches, so it is an ideal time to think about the boilers that serve so many heating systems. When replacement is called for comes the challenge of integrating new boiler technology with an existing heating system and meets the latest expectations for energy efficiency.

**Responding to climate change:** The traditional design conditions that have stood designers in good stead for decades can no longer be relied on. The key issue will be how best to avoid overheating in buildings.

Previews of the London HEVAR Show and the M&E Building Services Event

### OCTOBER 2008

**Maintenance and 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.

**Pumps and pumpsets:** Pumps and pumpsets have such an important role to play in the efficient and effective operation of systems providing air conditioning and heating that they merit a special feature to themselves.

### NOVEMBER 2008

**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 and building-management systems:** The fourth and last of our series of industry perspectives on controls and building-management systems in conjunction with the Building Controls Industry Association.

### DECEMBER 2008

**Green engineering:** Responsible and imaginative engineers have always understood the need for an environmentally sensitive approach to servicing buildings, recognising that buildings can react with the environment to minimise the environmental impact of services such as space heating, domestic hot water, air conditioning, ventilation and lighting.

**Indoor air quality:** With Building Regulations imposing stringent requirements for the air tightness of buildings comes the need for engineering to deliver acceptable standards for indoor air quality. This feature will focus on air-handling units, natural ventilation, air filtration and air treatment.