

# MODERN MBS BUILDING SERVICES

The journal that unifies building services

## Editorial Programme 2006

### JANUARY 2006

#### 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.

#### Cable Management

Today's buildings require more and more cables to carry power and data. How can they best be installed and organised?

#### Preview to Manchester HEVAR Show

### FEBRUARY 2006

#### Preparing for the new Building Regulations

With changes to Part F (ventilation) and Part L (fuel conservation) taking effect in April 2006, engineers will need to rethink their designs. The feature will provide a wealth of ideas.

#### Chilled ceilings and beams

While not providing precise temperature control of other approaches to cooling, chilled ceilings and beams are increasingly exploited for their more subtle approach to making buildings comfortable.

### MARCH 2006

#### Indoor Air Quality

With the latest Building Regulations requiring buildings to be more airtight than ever, controlled ventilation is crucial. This feature will focus on air-handling units, ductwork and air filtration.

#### Underfloor heating

Not only does wet underfloor heating deliver comfort in a way that no other system can, it is also well suited to low-temperature heat sources — which has important implications for the environment.

#### Preview to the Newcastle HEVAR Show

### APRIL 2006

#### 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.

#### Facilities Management

The trend among professional institutions is for the concerns and expertise of engineers involved with design and installation and those involved in running buildings day-to-day to be shared from the early stages of a project.

### MAY 2006

#### 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.

#### Research & development

Leading lights in the industry have long bemoaned how little is spent on research and development — without which it will not be possible to meet ever-rising expectations for the indoor environment. The advances that have been made in air treatment, boilers, air conditioning, domestic hot water and building-management systems must continue.

### JUNE 2006

#### 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 2006

#### Delivering Carbon 60

With buildings responsible for about half the UK's carbon emissions, this feature will explore how the Government's objective of reducing carbon emissions by 60% by 2060 can be, and is being, tackled.

#### Controls and building management systems

As the key to comfortable and energy-efficient buildings, controls and building-management systems are vital — but it is essential that their capability is not compromised by careless use.

### AUGUST 2006

#### 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.

#### Lighting

Achieving effective lighting in buildings is both a science and an art. This feature will consider both aspects of lighting systems.

### SEPTEMBER 2006

#### Intelligent buildings

Not only do intelligent buildings cost less to build than those without integrated systems, but they also cost less to run. The key is the convergence of building systems such as air-conditioning, ventilation, heating, lighting, security, fire safety and access control.

#### Boilers and domestic hot water

As the relative requirements for heating and domestic hot water change, so must the approaches to providing these services.

### OCTOBER 2006

#### 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.

#### 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.

#### Preview to the London HEVAR Show

### NOVEMBER 2006

#### Value Engineering

Price should not be the prime concern in specifying and selecting equipment for systems such as heating, air conditioning, air distribution, lighting etc. This feature will look beyond initial capital cost and focus on reducing longer-term costs.

#### Space heating

This fundamental service in every building enjoys its fair share of innovation. As one of the main energy consumers in many buildings, space heating is the subject of efforts to reduce energy use.

### DECEMBER 2006

#### Off-site manufacture

With an increasing trend to reduce installation work on site, we will look at the opportunities for maximising work in a factory environment and delivering pre-tested and partially commissioned products.

#### Air Distribution

The airtight buildings that will be the outcome of the latest requirements of the Building Regulations will give new opportunities to the ductwork sector manufacturers involved in air filtration and control.

Portico Publishing Ltd

First Floor, Suite 6, Southgate House St. George's Way

Stevenage, Hertfordshire SG1 1HG

Tel: 01438 759000, Fax: 01438 759007, E-mail: ckeel@portico.uk.com