



EDITORIAL PROGRAMME 2017

Not only must buildings deliver a comfortable and efficient working environment, but they must also minimise their energy consumption and emissions in so doing — in the spirit of the latest Guide B from CIBSE on good practice for the design of HVAC services. Those are the guiding principles for our editorial programme for 2017.

JANUARY 2017

Boilers: Such is the efficiency of modern boilers and the effectiveness of their controls that they will long continue to play a key role in the ongoing challenge to reduce the energy consumption of buildings.

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 2017

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.

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

MARCH 2017

Maintenance & Refurbishment: It doesn't take long for the performance of building-services systems to deteriorate if they are not maintained properly. Reliability and safety are also key issues. In addition, refurbishment presents the opportunity to benefit from advances in technology. This feature is the first of three planned during the year.

Heat Networks: Energy production and distribution is increasingly moving to a more decentralised system through local networks. The benefits include efficient use of resources and their improved management, reductions in pollution and carbon emissions, and cost effectiveness. Our feature will cover the generation and distribution of heat right through to heat interface units.

APRIL 2017

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 but a few.

Hotels & Leisure Facilities: The range of services needed to operate hotels and leisure centres effectively is huge, and they can consume a lot of energy. The focus of this feature will be on effectiveness and efficiency - covering heating, lighting, air conditioning, ventilation, water services and the all-important control.

MAY 2017

Boilers & Domestic Hot water: With the heating season over, comes the opportunity to take a look at doing all those things that could not be done during winter, to upgrade existing plant or install new equipment. Issues that could be tackled include DHW. Should the DHW be delivered by the same plant as heating or separately?

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 Building Controls Industry Association.

JUNE 2017

Air Conditioning: VRF, chilled beams, fan-coil units, — 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 2017

Maintenance & Refurbishment: The capabilities of effective maintenance procedures to improve comfort in buildings at the same time as reducing energy consumption and carbon emissions are amply proven. Likewise, the simple replacement of much existing plant with its modern equivalent can bring equally significant benefits.

Indoor Air Quality: Maintaining high standards of indoor air quality is a necessary process, but one that can be energy intensive. The scope of this feature will include demand-controlled ventilation, energy recovery, air filtration, humidification and air-distribution.

AUGUST 2017

Energy-Efficient Building Systems: Equipment that is designed to use energy efficiently can be let down by poor system design, installation and operation. The emphasis has to be on the complete system, not its individual components. This feature will cover heating, air conditioning, lighting and ventilation — to name but a few.

Controls & Building-Management Systems: The third in our series of perspectives on controls and building-management systems presented in collaboration with the BCIA will inevitably focus on the role of systems in reducing energy use and carbon emissions.

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SEPTEMBER 2017

Boilers: The approaching heating seasons 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.

Quick Fixes: A large energy bill can provide a spur to consider ways of reducing it. This feature will focus on quick, simple and cost-effective approaches to reducing energy consumption. Expect some surprises, as well as reminders of tried-and-tested technologies.

OCTOBER 2017

Renewable Energy: Renewable energy has a key role in reducing the carbon footprint of buildings and contributing to the security of our energy supply. Proven technologies for building-services engineering are biomass, solar and heat pumps.

Piped Services: One of the key features of the M&E services in buildings is the pipework connecting central plant with equipment in the space being serviced. Unless that network of pipes is well designed and carefully installed, the service installation will be perceived as inefficient and ineffective.

NOVEMBER 2017

Space Heating: Just as buildings are used for many different purposes, so there are many ways of heating them. This feature will consider radiator systems, underfloor, 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 and building-management systems in conjunction with the Building Controls Industry Association.

DECEMBER 2017

Maintenance & Refurbishment: Without a planned programme of maintenance and refurbishment, the energy used by buildings and their services will increase. This feature will share ideas and experience in keeping buildings operating at peak efficiency.

Energy-Efficient Building Systems: Buildings are responsible for about 40% of UK energy consumption, and it is generally agreed that around 20% of that energy is wasted. This feature will address that issue and cover heating, air conditioning, lighting and ventilation — to name but a few.

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MBS ROUND-TABLE

MODERN BUILDING SERVICES

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