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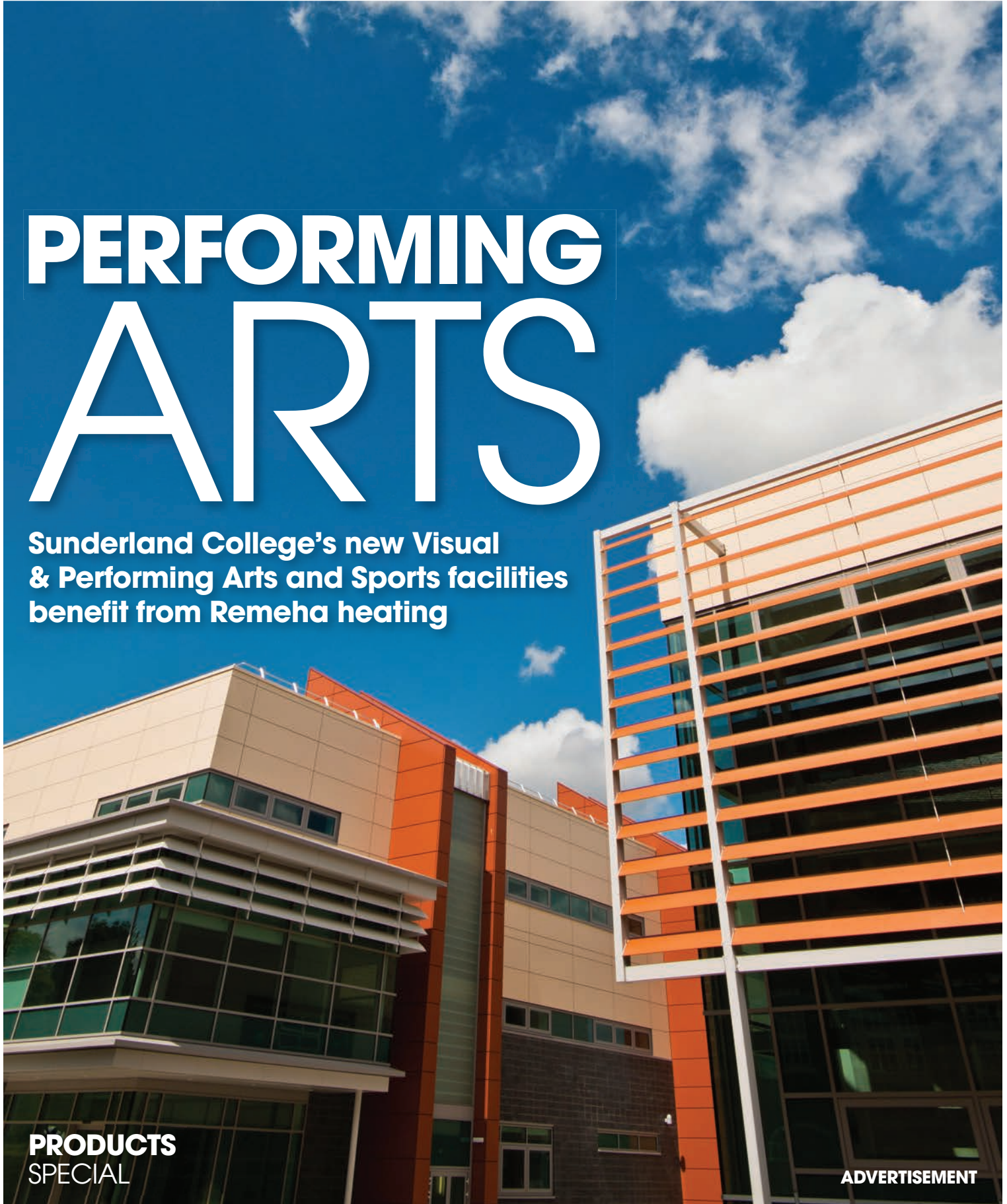
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One direction?

Navigating a clear path through the regulatory landscape is no mean feat in itself, but doing so in the run-up to a General Election makes it even more challenging. Politicians tend to duck out of making tough decisions when elections loom, and any policymaking is designed to ensure re-election, rather than the long-term health of the environment.

This political state of flux means industry is still awaiting confirmation of the details of how it can meet the zero carbon homes standard due for implementation in 2016. Our regulatory round-up, 'A push in the right direction', looks at possible routes to zero carbon, and the options open to builders to offset emissions.

The article covers regulations on F Gas and biocides, and the implications of EU directives on saving energy, including the requirement for products to meet minimum energy targets when in use. This comes under the Ecodesign of Energy Related Products Directive, which has set minimum targets for water heaters, and next year turns its attention to boilers, which will have a big impact on the commercial market.

Congratulations to all those on the shortlist of the 2015 Building Performance Awards. On page 5, we detail the eight finalists in the Energy Saving Product of the Year category. The EU's tougher proposed energy targets will make the innovation evident in these products, even more commonplace in the years to come.



Alex Smith, editor
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Technology: let's use it wisely

We live in exciting times. The extraordinary technological progress of recent years has transformed the way we live, communicate and do business.

Within our own sector, the huge developments in products and services are moving us towards possibly the greatest achievement of our time, decarbonisation.

Heating is the largest user of energy of all the building services, so the arrival of new generations of traditional heating products, plus sophisticated annual renewable equipment, is an encouraging example of how manufacturers are rising to the challenge to improve the efficiency of our new and existing building stock.

Of course, the product is one

thing and how it is implemented another, leading to the widely reported performance gap between a building's predicted and actual energy consumption.

Good design, specification, installation, controls and commissioning are essential if today's products are to achieve the exceptionally high efficiencies of which they are capable. Take Sunderland College's new £22 m Sports and Visual and Performing Arts facilities, for example, featured on the cover of this supplement and included in the main publication. Assisting in achieving a BREEAM Very Good rating were two Remeha 310 Eco Pro gas condensing boilers – undoubtedly excellent products – but,

importantly, they were at the heart of a system described by the M&E consultant as 'one of the best installations' he had ever seen.

Our challenge today is to raise the bar on efficiencies, with improved collaboration between the design team for smarter design practice, reduced energy waste and lower carbon emissions. We have all the technology at our disposal. Now it's time to use it wisely.

Chris Meir,
national sales manager,
Remeha Commercial





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SAVING GREATS



The shortlist for the Energy Saving Product of the Year at the CIBSE Building Performance Awards 2015 has been drawn up – **Andrew Brister** looks at the contenders

The European Union is expected to adopt new energy targets at its next climate and energy conference. These are likely to be: 30% energy reduction by 2030 (against 1990 levels); an increase in renewable energy to 27% of the total generated; and a cut in carbon emissions of 40%.

Using products that reduce energy consumption is one way of achieving these goals, and CIBSE aims to recognise the best initiatives coming onto the market through the Energy Saving Product of the Year category at the 2015 CIBSE Building Performance Awards. We look at the shortlisted entries. For a full list of finalists turn to page 26 of the main issue.

1 TurboChill and TurboChill Free Cool chiller, Airedale International Air Conditioning
Airedale's TurboChill is the first BSI-approved range of high-performance chillers using the low global warming potential (GWP) refrigerant R1234ze available from a British manufacturer. The chillers are available in capacities of 200-1200kW (TCC range) and 200-1360kW (TCF). R1234ze is a hydro-fluoro olefin (HFO) based refrigerant. Recent studies have indicated that R1234ze has a GWP lower than 1, which is better than CO₂. Refrigerants such as R410A and R134a – with GWPs of 2088 and 1430 respectively – are expected to be phased out by 2030.

2 Demand Logic building energy analysis platform, Demand Logic
Demand Logic is a web technology that identifies opportunities for carbon and performance savings in commercial buildings. It uses 'big data' techniques to stream and analyse thousands of data points from the building management system (BMS).

A typical BMS has tens of thousands of data points: control signals, sensors, set-points and meters. The platform continuously streams and stores this data and uses it to provide a suite of infographics to help find common, but highly wasteful, faults such as out-of-hours running or simultaneous heating and cooling.

3 Kooltherm FM pipe insulation, Kingspan Tarec Industrial Insulation
Kooltherm insulation can be fitted on pipework and equipment operating at temperatures of between -50°C and 110°C. It also provides excellent fire and smoke resistance.
Kooltherm's rigid phenolic core delivers outstanding performance with thermal conductivities as low as 0.025W/m.K, ensuring that the minimal possible thickness is needed to deliver the desired performance.
It has zero Ozone Depletion Potential and low Global Warming Potential, and the closed cell structure effectively eliminates moisture ingress.

4 Q-bot underfloor insulation, Q-bot
Q-bot allows a house to be insulated from beneath by a remote controlled robotic device. Using this system, installation of underfloor insulation can be undertaken by one skilled operative in a day, saving up to £5,000 per dwelling compared with other floor-insulation methods, and reducing annual heating costs by more than £200.

5 The Radical radiator, Stelrad Radiators
The Radical radiator is said to be the first serial-fed radiator in the UK. The front panel heats up first, and then – if required – the back panel. The benefits are 23% more radiant heat from the front panel than from a standard panel radiator – and a panel that heats up 8% more quickly. The Radical radiator offers an energy saving of up to 10.5% over alternative technology and allows a condensing boiler to operate and condense as designed.

6 EKF kitchen box fan, Vent-Axia
The catering industry is one of the largest energy consumers in the commercial market using approximately two-and-a-half times more energy per square metre than commercial buildings. The EKF, with its high-efficiency EC motors and backward-curved impellers, reduces energy costs by up to 44% compared to AC motor fans with transformer speed control. The EKF's potentiometer speed control allows the end-user to manage the fan's extract rate simply. This ensures suitable air quality, while avoiding over ventilation.



A PUSH IN THE RIGHT DIRECTION

From zero carbon homes through to F gases and biocides, there's no shortage of regulations on the horizon for the building services sector. **Andrew Brister** takes a look at the shape of things to come

The countdown to next year's general election has begun. The recent party conference season has seen the Conservatives set out their stall with plans to cut the welfare state, reduce taxes and a promise that first-time buyers in England under the age of 40 could buy a house at 20% below the market rate if the party was re-elected. Conservative leader David Cameron said a future government led by him would build 100,000 new homes to make this happen.

Beneath the rhetoric of the latter policy was a disturbing revelation. Not only would the houses be exempt from some taxes, some Building Regulations – including the zero carbon homes standard – would also not apply to the new units.

Despite some watering down of ambition, the Conservatives have – until now – remained committed, in principle, to the zero carbon policy, meaning all homes built from 2016 must be built to a high standard of energy efficiency.

Paul King, CEO of the UK Green Building Council said: 'This is incredibly short-term and counter-productive thinking. A new zero carbon home is likely to save householders more than £1,000 year-on-year on their energy bills compared with a Victorian equivalent, and yet costs builders as little as £3,000 extra to build.'

'Historically there is absolutely no correlation between the standard of Building Regulations and volume of housing – the issue has been availability of mortgage financing and, in some



ILLUSTRATION / ZSUSZA GOODYER

cases, planning. There is no reason whatsoever that we shouldn't expect high quality, as well as quantity, of homes – as many developers are proving. Relaxing regulations will only advantage cowboy builders who want to turn a quick profit, and leave a generation with a legacy of poorer homes and unnecessarily high energy bills.'

Housing Standards Review and Building Regulations

There are other plans afoot for new homes. The Deregulation Bill, currently being examined by the House of Lords, includes the Housing Standards Review, which addresses the government's belief that there are too many housing standards, on top of Building Regulations, that slow down development.

While the Deregulation Bill removes the power from local government to set energy efficiency standards for new buildings over and above the Building Regulations, local authorities can – under what has become known as the Merton Rule – continue to specify inclusion of renewable energy in new homes from on-site renewable

technologies – such as solar panels – or connected renewable heat networks, using technologies including biomass, geothermal or energy from waste.

'We very much welcome that government has listened to our concerns and retained the Merton Rule for renewable energy,' said Mike Landy, head of on-site renewables at the Renewable Energy Association. 'This popular policy will continue to enable local authorities to ensure that new homes in their locality enjoy lower energy bills and carbon footprints. This is great news for green jobs and skills in the sector.'

This summer, the summary of responses to the consultation on the *Next steps to zero carbon homes – Allowable Solutions* document was published. While the government intends to set a more stringent minimum on-site energy performance standard for new homes from 2016, it recognises that it is not always technically feasible or cost-effective to meet the zero carbon homes standard purely through measures on site. It will, therefore, put in place a cost-effective and flexible mechanism to allow housebuilders

Relaxing regulations will only advantage cowboy builders who want to turn a quick profit, and leave a generation of poorer homes



EVELINA WACHALA / SHUTTERSTOCK

Developers will be able to meet zero carbon targets with off-site renewables

Nearly zero-energy buildings and ErP Directive

The government's zero carbon initiatives complement the Energy Performance of Buildings Directive (EPBD) target for all new buildings in the EU to be 'nearly zero-energy buildings' from 2020. According to Article 9 of the directive, member states shall ensure that all new buildings are nearly zero-energy buildings by 31 December 2020 and new buildings, occupied and owned by public authorities, are nearly zero-energy buildings after 31 December 2018.

The EPBD defines a nearly zero-energy building as 'a building that has a very high energy performance... the nearly zero or very low amount of energy required should be covered, to a very significant extent, by energy from renewable sources, including energy from renewable sources produced on-site or nearby.'

The EU energy targets will be helped by measures included in the Ecodesign of Energy Related Products Directive. This is a framework CE Marking directive that primarily focuses on energy in use. It sets minimum requirements for energy-consuming products, such as certain air conditioning units and lighting. Last year the Directive was also applied to water heaters and hot water storage tanks (20 September 2013), space and combination heaters (26 September 2013) and, on 21 May 2014, small, medium and large power transformers were added to the list.

F-Gas and Biocides regulations

The newly revised European F-Gas Regulation was published in May 2014 and will control the use of fluorinated greenhouse gases throughout Europe. The EU predicts the regulation will reduce emissions of F-gases by two-thirds of current levels by 2030.

The move will outlaw completely the use of HCFC gases, such as R22, in air conditioning and refrigeration equipment from 1 January 2015. This will have a massive impact on the sector as, while it will be possible to operate such equipment after the phase-out date, it will not be possible to service it or refill the gases.

Attention then turns to HFC gases, with market bans on them in certain products and equipment and a ban on servicing and maintenance of



ALEXEY STOP / SHUTTERSTOCK

The Ecodesign of Energy Related Products Directive sets minimum requirements for energy consuming products such as water heaters and hot water storage tanks

to meet the remainder of the zero carbon target by supporting off-site carbon abatement measures termed 'Allowable Solutions'.

Developers will be able to decide how they meet the shortfall between the minimum on-site energy standard (to be set at Level 4 of the Code for Sustainable Homes) and the zero carbon requirement. There are four proposed routes, which suggest that the housebuilder could:

- Do more or all carbon abatement on site or through connected measures, for example, a heat network
- Meet the remaining carbon abatement requirements themselves through their own off-site carbon abatement action, for example, retrofitting existing buildings
- Contract a third party to deliver the carbon abatement measures sufficient to meet the housebuilder's zero carbon obligation
- Make a payment into a fund, which then invests in carbon abatement projects sufficient to meet the zero carbon obligation.

Subject to parliamentary approval, the government also intends to amend the Building Regulations 2010 in early 2015. These will include optional requirements covering access and water efficiency and a mandatory security requirement, applicable to all new homes.

The principal change to deliver the water efficiency element of the Housing Standards Review is to regulation 36 of the Building Regulations 2010. This currently requires that all new homes are designed so that their estimated average water consumption is no more than 125 litres per person, per day. This will be amended to introduce an optional requirement of 110 litres per person, per day, and will apply where planning permission is granted with a condition that the optional requirement must be complied with.



equipment containing them with a global warming potential (GWP) of greater than 2,500 as of 2020. The use of recycled and reclaimed HFC gases will be allowed until 2030.

The European Commission estimates cumulative emissions savings of 1.5bn tonnes of CO₂-equivalent by 2030 and 5bn tonnes by 2050 – the latter figure representing more than the emissions from one billion return flights between Paris and New York.

New curbs on biocides came into force on 1 September 2013. The EU Biocides Regulation covers a diverse group of items, including disinfectants, pest control products and preservatives. When an active substance has been approved, each member state must authorise products containing that substance before they can be marketed. Once a product is authorised, there will be other obligations imposed in terms of advertisements, packaging and labelling, record-keeping and reporting.

CRC, ESOS and greenhouse gas reporting

The UK recently entered a new phase of the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme, which is designed to improve energy efficiency and cut CO₂ emissions in private and public sector organisations that are high energy users – more than 6,000MWh of electricity per year. Phase one ran from April 2010 until the end of March 2014. Phase two began on 1 April this year and runs until 31 March 2019.

In each compliance year, an organisation that qualifies for the CRC needs to do the following:

- Collate information about its energy supplies
- Submit a report about its energy supplies
- Buy and surrender allowances equal to the CO₂ emissions generated
- Tell the Environment Agency about changes to its organisation that could affect registration
- Keep records about its energy supplies and organisation in an evidence pack.

Charges for allowances have risen from £12 per tonne of CO₂ in phase one to £16 per tonne of CO₂ in 2014-2015. From 2015-2016, the allowance price will increase in line with the retail price index.



Large organisations such as WWF (headquarters above), will be subject to the Energy Savings Opportunity Scheme

Organisations also need to be aware of the Energy Savings Opportunity Scheme (ESOS). This applies if a firm employs at least 250 staff or has fewer than 250 people but has an annual turnover in excess of €50 m and an annual balance sheet in excess of €43 m.

Companies that qualify for ESOS must carry out assessments every four years. These are audits of the energy used by their buildings, industrial processes and transport to identify cost-effective, energy-saving measures. Organisations must then notify the Environment Agency by a set deadline that they have complied with their ESOS obligations. The first deadline is 5 December 2015.

By then, qualifying organisations must have carried out their assessment and notified the Environment Agency. Participants must then carry out an ESOS assessment in each four-year compliance period, ending on 5 December 2019, 2023, and so on.

Since 1 October 2013, the Companies Act 2006 (Strategic Report and Directors' Report) Regulations 2013 has required all UK-quoted companies to report on their greenhouse gas emissions as part of their annual Directors' Report.

The EU predicts the European F-Gas Regulation will reduce emissions of F gases by two-thirds of current levels by 2030



Landlords with the least energy-efficient buildings – those with the ratings of F or G – will not be able to re-let those buildings beyond 1 April 2018

The government is encouraging all other companies to report similarly, although this remains voluntary.

Minimum Energy Performance Standards

The commercial property sector is busy gearing up for the introduction of Minimum Energy Performance Standards (MEPS). The Energy Act 2011 granted new powers to the government that will make it unlawful to let inefficient buildings by 2018.

All commercial buildings are now required to have an Energy Performance Certificate (EPC) when they are sold or leased. An EPC is granted after an inspection by a qualified assessor and gives the building a rating of between A and G, based on the energy-efficiency of the building. The changes being brought in under the Energy Act 2011 mean that landlords with the least energy-efficient buildings – those with the ratings of F or G – will not be able to re-let those buildings beyond 1 April 2018.

Figures from the Department of Energy and Climate Change (DECC) suggest that 18% of all commercial buildings in the UK would be affected by the legislation.

However, buildings that score an E rating in

today's terms could be downgraded to an F rating by the time the regulations come into force, since EPC scoring gets progressively tighter as Building Regulations get more stringent over time.

WSP believes that if this is the case, then the proposed MEPS consultation could affect up to 35% of commercial property by 2018 – higher than the 18% suggested in the consultation.

Massive energy savings can be achieved across a building's M&E systems simply by looking at the control strategies, set-points and maintenance regimes. Unfortunately, such management issues may save energy and running costs but will not raise the EPC rating of the building. For that you have to improve the assets. Opportunities exist between tenancies to upgrade lighting and HVAC, and introduce renewable technologies.

There is a danger that MEPS could be swatted away by property firms if EPCs are not properly enforced. Currently less than 40% of commercially leased properties have an EPC. 'This has the potential to undermine the whole concept of MEPS,' says CIBSE technical director Hywel Davies. 'Those who know they have an F or G rated building and do not want to comply with MEPS will just not get an EPC, and then MEPS will not apply to them.'

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THE ART OF TECHNOLOGY FUSION – REMEHA FUSION HYBRID

The challenge is on for the building services industry to deliver ever higher efficiencies and ever lower carbon emissions.

In response, commercial heating manufacturer Remeha Commercial has developed Fusion Hybrid, a one-stop, bivalent heating and hot water system that offers low-carbon, energy-efficient heating and hot water for both new build and existing buildings.

Fusion Hybrid combines our high-performance gas absorption heat pump range and high-efficiency condensing technology, with a fully-integrated, scalable building control system that can be specially tailored to meet the unique requirements of a building to maximise energy and carbon savings and lower operating costs.

Each solution is bespoke, meeting the particular needs of each individual building and addressing the potential pitfalls in design and installation that can cause an energy performance gap between the building's predicted and actual energy consumption.



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Fusion Hybrid range is available with outputs from 100-1000 kW.



Remeha Fusion Hybrid

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- Remote monitoring as standard
- Outputs: 100 to 1000kW

Remeha Fusion Hybrid at Lake House Care Home, Banbury

- Specially tailored to meet the specific needs of the care home to provide constant, reliable heating and hot water delivery
- A solar buffer added to the heating system increases the temperature of the cold water feed and lowers the energy demand
- The Building Management Control System in Fusion Hybrid is connected into the existing BMS at Lake House to maximise energy and carbon savings
- An Energy Management System monitors the performance of the Fusion Hybrid and provides constant flow of energy data for the operators of Lake House



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Northumbria Specialist Emergency Care Hospital Cramlington, Northumberland



Challenge

Northumbria Specialist Emergency Care Hospital (NSECH) is part of the local NHS Trust's £200 million investment to improve healthcare for people in Northumberland and North Tyneside. It will be the first in England to have emergency care consultants on-site 24 hours a day, seven days a week.

With an innovative design which creates a modern, purpose-built hospital, NSECH is being built to the highest performance and safety specifications. To achieve this over a two year programme, all packages within the build had to ensure the highest quality standards – with the most efficient completion possible.

As pipework insulation was being carried out as a combination of pre-insulated pipework and installation on-site, an insulation product was required that would be suitable for this two-fold approach whilst also satisfying the quality and performance criteria.

Solution

Phenolic pipe insulation was specified by the M&E contractor, with BetaPlus emerging as the preferred product based on the consistency of product manufacture, performance properties and technical support available from GRM.

Whilst a major part of the pipework was completed using BetaPlus in pre-insulated form, over 54,000 linear metres had to be installed on-site by Tyne Tees Thermal Ltd, experienced thermal insulation contractors.

Contractor Perspective

Commenting on the use of BetaPlus at NSECH, Chris Morton, Managing Director, Tyne Tees Thermal, said: "As a contractor various criteria have to be met and BetaPlus is the only phenolic that has the consistency we require across a number of factors: bore accuracy, foil facing precision and thickness tolerance.

Importantly, the thicknesses are exact on both sides of the bore and at both ends of the section. This doesn't happen with all products on the market and is actually a critical success factor when it comes to an accurate and robust installation on-site.

There were zero quality issues with BetaPlus at NSECH, which given the scale of the installation – and the fast turnaround times we were working to – is testament to the unrivalled quality of manufacture."

B&Q goes natural

A new B&Q retail warehouse in Bedford boasts several innovative natural ventilation and smoke-control features. The 56,800ft² store in Ampthill Road is the first phase of an £18.5m development programme. Having a robust smoke-ventilation strategy in the event of fire is vital in such a high-value building regularly visited by members of the public. Specialist Adexsi UK has provided a solution that delivers a high level of thermal control and improved indoor air quality – as well as safeguarding life and property. Adexsi's CE-certified Certilight dual-casement smoke ventilators are well insulated to help regulate the internal temperature by reducing heat losses, during winter months, from the building's warm-air heating system. During the summer, the ventilators will automatically power open to introduce cooler air when the internal space reaches a certain temperature. Adexsi has also developed an uninterruptible power supply (UPS) solution that meant the batteries could be installed in the main plantroom, rather than on the roof. This also removes the potential problem of voltage drop at high level.

● Visit www.adexsiuk.com



Carrier adds Greenspeed intelligence to AquaForce range

Carrier has added a new product – 30XAV – to its AquaForce line of chillers, with the introduction of Greenspeed intelligence. The addition of Greenspeed intelligence to the already reliable 30XA chiller will help contractors, consulting engineers, and building owners to meet the efficiency demands of today and the future. The addition of variable-speed condenser fans and variable-speed screw compressors allows the AquaForce with Greenspeed intelligence to match load conditions, delivering exceptional part-load performance. Additionally, the chiller features Touch Pilot controls, allowing the building owner easily to monitor and log trend data, access the unit through a web browser, and regulate the chiller, while accurately maintaining fluid temperatures. Carrier – which operates as Carrier UK in the United Kingdom – is the world's leader in high-technology heating, air-conditioning and refrigeration solutions.

● Visit www.carrier.com or follow @CarrierGreen

Hybrid water heater delivers best of both worlds

Boiler and water heater manufacturer Lochinvar has launched the EcoCharger 'Hybrid' range of water heaters. These provide the user with a closely integrated combination of solar thermal and conventional gas-fired water heating, which minimises fossil-fuel use, and achieves high operating efficiencies (96% gross) and low NO_x emission levels (Class 5). The HWH and HWHC units work with the company's high-efficiency LSP20+ flat plate collectors to provide an integrated gas-fired and renewable-energy water-heating system. All models include a built-in solar control to maximise the available solar energy, and the gas burner only fires if the solar energy cannot keep up with the hot-water demand. There are seven models in the HWH range, which can provide hot water recovery from 540 to 2,100 litres per hour. The HWH models are designed to work in conjunction with pre-heat storage vessels.

● Visit www.lochinvar.ltd.uk



Evinox Energy chilled-water meter kit

Perfect for installations that include a communal chilled-water system, the new Evinox Energy chilled-water meter kit includes all the equipment required to facilitate commissioning, balancing, and flow control of the chilled-water circuit, as well as the accurate measurement of energy consumption. The integrated flushing bypass allows the chilled-water primary circuit to be cleansed and flushed, and ensures that the pressure independent control valve (PICV) and meter are protected from the cleansing process of the primaries. The kit includes a MID-approved meter head, which is supplied with a wall-mounting bracket that enables the meter head to be installed in a position where it can be read easily, normally below the ceiling level. The whole chilled-water meter kit assembly comes with its own sturdy insulation jacket, which allows removal for any maintenance that may be required.

● Call 01372 722277, fax 01372 744477, or visit www.evinoxenergy.co.uk or www.evinoxresidential.co.uk

Logic HIUs from Ideal Commercial make good sense

Ideal Commercial Boilers has launched a range of Logic heat interface units (HIUs), the latest heating-system solution designed to maximise efficiency in multi-residential buildings when integrated with centralised, commercial, condensing boiler plant. Providing localised heating control for individual dwellings in multi-residential buildings, the Logic HIU operates as a control interface between the centralised heating plant, and the heating and hot-water system within each flat. Consisting of two indirect units (50 and 75) and two direct units (high temperature and low temperature), Logic HIUs offer advanced anti-clog technology for optimum reliability, and a fully insulated cover minimises heat loss. The Logic HIU also offers the capacity for remote monitoring, allowing meter readings to be made externally by remote signal.

● Call 01482 492251, email commercial@idealboilers.com, or visit www.idealcommercialboilers.com



Up to 51% energy savings from upgrading condensers

A trial has demonstrated how the addition of ebm-papst's new AxiTop diffuser to existing EC HyBlade axial fans can provide significant energy savings – from 15% to 51% on condenser packs running at part load, and improvements of 26% at full load.

The conclusion observes that upgrading existing systems with AxiTop can not only improve the efficiency of the fans, but also improve the efficiency of the whole system. The AxiTop diffuser has been developed to fit the ebm-papst range of HyBlade axial fans, as supplied to all the major refrigeration-plant manufacturers. It is also ideal for retrofitting existing fans by providing a simple solution to upgrade those installed across the estate – an upgrade that reduces the noise, decreases the power consumption, and increases the fan performance. The AxiTop diffuser is used on sites with condensers, coolers and chillers, and future applications could involve the upgrade of sites where noise levels are an issue.

● Visit www.ebmpapst.com



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INTELLIGENT CONTROL OF INDOOR AIR QUALITY WITH NVLogiQ

Everything you need to monitor and manage indoor air quality intelligently, is housed within a single, compact NVLogiQ controller from SE Controls.

NVLogiQ constantly monitors CO₂ levels, temperature and humidity, then uses innovative algorithms to automatically control and operate windows, louvres and vents within natural ventilation or mixed mode systems to optimise indoor air quality and save energy.

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- Simple, compact and easy to operate & install
- Constant display readout
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- Compliant with key standards

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COND AIR - the new name for JS Humidifiers

“ Having been a member of the Condair Group for three years, JS Humidifiers is changing its name to Condair plc.

As well as manufacturing Condair products at our production facility in West Sussex and offering the full Condair humidifier range to our UK customers, we act as a central sales office for many Condair distributors around the world.

Rebranding to Condair allows us to streamline our UK operations and communicate our role within the world's leading humidification and evaporative cooling company.

For over 30 years, as JS Humidifiers, we have delivered the very best solutions for our customers' humidification requirements. Now under the name of Condair our mission is and always will be to continue to provide the very highest level of technical expertise and customer satisfaction. ”

See www.condair.co.uk for more info



Tim Scott,
Head of Sales, Condair plc

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