

DECEMBER 2017



magazine

The voice of the HVACR industry

Smart thinking

*Why intelligent behaviour is required
for smart cities to thrive*

Ducting the issue

*Your legal responsibilities surrounding
fire resistant ductwork*

+ PLUS...

- + *Hear from the Chairman
and the Chief Executive*
- + *HEVAC members receive
major industry awards*
- + *Dates for your diary*
- + *Happy anniversary –
ADCAS celebrates 20 years*

Letter from the chairman



John Smith

Dear FETA members,

It was with great pleasure that I was able to take on the role of FETA Chairman earlier this year, and I hope to build on the hard work carried out by my predecessor Graham Wright.

Along with many of our fellow organisations we have continued to work to ensure that our sector is heard as the myriad details of transitioning out of the EU are worked through. We very much support the BSI's ambition that staying within the European standards system (which is not a formal part of the European Union) should be the aim, avoiding conflicting standards being used in the UK and the rest of Europe. Many FETA

members, reflecting their respected standing within industry, are members of various Standards committees and we will seek to bolster our links with BSI in the future, providing them with access to the best people to represent our sector.

We continue to support DEFRA as they consider how best to deal with the quirks of the F Gas quota system and our ongoing involvement reflects the close relationship we have with Government officials. In support of this, we have recently made a submission and given oral evidence at the Environmental Audit Committee's inquiry into the reduction in UK F Gas emissions. We are now a few years on from the formal enactment of the F Gas Regulation and the phase down is well under way.

We have emphasised throughout the need to educate the wider user community as well as manufacturers and installers about the need to prepare for the consequences of change. Now that significant price increases are evident in the relevant refrigerant gases we expect awareness to increase, not least as availability issues arise. Ultimately it is end users, whether commercial or domestic, who we most need to get the message across to. There is yet more we can do to bring improvements in our own industry's preparedness and work on training is very much a case in point.

I'll finish on a congratulatory note, as ADCAS celebrated its 20th anniversary this year with a dinner cruise along the Thames. This is a tremendous milestone and one that everyone involved can be proud to have reached. It just goes to show how big things can grow from small ideas and further motivation for all our associations to remain a positive and influential voice in their respective industries.

John Smith
Chairman of FETA

Communication is key



Russell Beattie

Following another year which gave our members plenty to think about, Russell Beattie, Chief Executive of FETA, emphasises the importance of co-operation across the industry as we move into 2018.

I commented last year that 2016 had been a tumultuous 12 months across the political landscape and we seem no closer to resuming anything approaching normality. As expected, the Brexit negotiations continued to fill the headlines, bolstering the profiles of political commentators and cartoonists alike, if not the reputations of the actual politicians themselves. We also endured an unexpected election call, bringing even less clarity to the situation.

Sadly 2017 saw a dreadful milestone in the history of the UK's built environment: I refer of course to the Grenfell Tower disaster. Our Smoke Control Association have been very proactive but as was determined when we examined this topic at our annual Strategy Forum, which took place soon after the tragedy, we expect that in the wake of the formal enquiries (both of which we have contributed to) there will be a demand for wholesale review, not only of fire regulations themselves but of the wider interactions within the construction field. This should of course look beyond just residential high rise and all elements of our Federation need to be ready to contribute.

We have taken part in a number of Government Consultations and indeed as we prepare this magazine there is a dual track one underway on the Construction Act and the related Retention Payment issue. This is a long standing and deeply contentious matter for those of our members involved in such construction contracts and we look forward to fighting our corner robustly on this.

In a welcome development we are looking forward to taking up the offer of participating in a new Industry Advisory Group which BRE are setting up. This stems from an initiative related to them re-securing the contract to run the Government's SAP and SBEM models and we will constructively engage with this.

It is likely that 2018 will see more of the same in terms of high level policy debate over leaving the EU and a great deal of detail in developing Regulations in the wake of the Grenfell tragedy. As ever, it will be the expertise and commitment of our active members which will be key to delivering optimal outputs for our sector.

FETA offers support to Independent Review into Grenfell tragedy

Following the tragic fire at Grenfell Tower on 14 June the Government announced an Independent Review into building regulations and fire safety. Although initially focusing on residential tower blocks we anticipate there will be pressure for widescale review across many aspects of the built environment and that virtually every element of FETA could yet be involved.

We responded to the Review accordingly, dealing with its 10 consultation questions, emphasising that FETA has members with many years of experience in a variety of specialist disciplines and that we are ready and able to provide assistance both in the ongoing investigation and in further work, in order to prevent such a tragedy occurring again.

The Smoke Control Association has particularly relevant expertise and they have made specific offers of assistance to both the Independent Review and the related inquiry into the incident itself.

In addition, an Industry Response Group has been set up in a joint collaboration between BEIS and DCLG. This consists of Build UK, the Construction Industry Council and the Construction Products Association. ADCAS are members of Build UK and we are able to use that conduit to provide further input.

Steph McGovern to speak at Annual Lunch



Steph McGovern

The 2018 annual lunch will take place on Thursday 19th April at The Brewery, a superb Grade II listed building in the heart of the City of London. This year's special guest is journalist and broadcaster Steph McGovern.

Over six hundred manufacturers, suppliers, installers and contractors within the heating, ventilating, building controls, refrigeration and air conditioning industry have attended the luncheon in recent years. The 2017 lunch took place on Thursday 27th April and featured a keynote speech by departing FETA Chairman Graham Wright.

In his final FETA lunch address, Mr Wright told guests he believes that in the post-EU landscape, trade associations can provide a vital line of communication with the rest of Europe on important issues such as energy usage regulations and product design.

The FETA annual lunch offers members a fantastic opportunity to network with business colleagues and entertain key clients, at what now has to be the best social event in the industry calendar.

Guests are invited to arrive at The Brewery from 12.00pm to enjoy a pre-lunch drink and to mingle with colleagues, in the King George III Suite. A fabulous three course meal will then be served in the impressive Porter Tun Room at 1.00pm.

Steph McGovern will deliver the after lunch talk, sharing some of her stories from her career in broadcasting. For over a decade Steph has reported on business and finance from around the world; from international summits to small business success stories. She is an established part of the BBC Breakfast team, covering business developments daily, and also regularly taking to the sofa as main co-host.

Bookings for the 2018 lunch can be made by contacting the event organiser, Touchwave Media; by phone; 07785 290034, or email; Hannah@touchwavemedia.co.uk



John Smith (left) succeeds Graham Wright as FETA Chairman

FETA announces changes to leadership positions

Several changes have been announced to FETA's Presidency positions, with Graham Wright standing down as FETA Chairman, and the British Refrigeration Association (BRA) President John Smith taking over the role. John is Technical Director for the Beijer Ref UK & Ireland group of companies and has been chairing the Equipment & Components section of the BRA since 2014. He has spent the last 29 years working predominantly in wholesaling for Dean & Wood and for electronic controls manufacturers such as Danfoss, JTL and Honeywell.

Graham Wright also stood down as HEVAC President, with his position being filled by Nick Howlett. Nick is Managing Director of Titon Ventilation Systems and a Director of Titon Holdings plc. He was instrumental in creating Titon's mechanical ventilation division in 2005.

Nick's role as HEVAC Vice President has been taken by Mark Jones, who has built a career in the ventilation industry after starting out as an apprentice making and fitting ducting, dust collectors and fans before progressing to system design and specifying contracts and eventually becoming Chairman of Woodcock & Wilson Ltd in 2014.

The BRA also appointed Mark Woods as its new Vice President. Mark is Joint Managing Director of Space Engineering Services, having started with the company as a Troubleshooting and Commissioning Engineer in 1997.



TV presenter Steph McGovern with the 2017 BCIA Award winners



Entries are now open for the 2018 BCIA Awards

The most prestigious event in the industry's calendar, the Building Controls Industry Association (BCIA) Awards, is back for another year and entries are now open.

Don't miss this opportunity to stand out from the rest of the industry by winning one of the coveted awards. Choose from one of eight categories which include Best Service and Maintenance Provider, Contribution to Training Award, Energy Management Award, Engineer of the Year Award, Independent Building Controls & BEMS Installer, Technical Innovation of the Year – Products, Young Engineer of the Year and Technical Innovation of the Year – Projects.

The BCIA Awards are now in their 12th successive year and continue to be greatly supported by the industry. This year's Gold sponsors include CentraLine by Honeywell, Johnson Controls, Priva, Siemens Building Technologies, Trend and Western Automation.

Malcolm Anson, President of the BCIA, says: "We are delighted to launch the BCIA Awards for 2018 which will once again be held at the Hilton Birmingham Metropole. The standard of entries in 2017 was extremely high which is testament to the sterling work which the building controls industry is involved in. I look forward to seeing more examples of this in 2018."

The 2018 BCIA Awards, which take place on Thursday 10th May, are free to enter and the deadline for entries is Friday 26th January. To enter simply visit the BCIA website, www.bcia.co.uk, and submit your entries via the online form. Entry to the awards is free and open to BCIA members and non-members.

Government announcement could signal beginning of the end for oil heating systems

It was announced on 12th October 2017 by Claire Perry MP, Minister for Climate & Industry, during a Government briefing, "Building on the UK's Clean Growth Credentials", that the Government intends to phase out the use of heating oil to heat buildings and domestic hot water during the 2020s, in both domestic and non-domestic heating systems.

The details of how this is to be achieved have yet to be determined, but this declaration is seen as a path to eventual regulation. Focus initially will be toward new build but will then be directed to existing building stock heated by heating oil. "This momentous announcement is vital to assist in cleaning up the emissions from UK heating systems. It is extremely welcome

as it gives much needed insight into the direction of travel and enables businesses to plan for the future, whether a supplier or a consumer," says Mike Nankivell, President of the Heat Pump Association (HPA).

He continues, "In addition it demonstrates clear intent by the Government to seriously tackle the issue of relatively high carbon emissions from heating systems using oil as the predominant fuel and should act as a precursor to other fossil fuels which produce relatively high emissions."

Although the exact detail has yet to be worked out, the HPA views this as a clear signal of intent toward 'cleaner heating' systems and heat pumps of all genres can contribute significantly to this as low emission technologies.

Two HEVAC members recognised for long-term service to the industry

Top industry accolades have been awarded to two of HEVAC's longest serving members; Mike Nankivell and Tom Dee. Mike was given the 'Gold Award' at the RAC Cooling Industry Awards, which recognises and rewards those who have made a significant impact on the industry and helped to drive its environmental progress.

Mike has worked in the HVAC industry for over 45 years and, despite 'retiring' at the end of 2015, has continued his involvement with a host of committees, subgroups and key industry initiatives, giving up his time to help further a host of important causes.

During his time in the industry Mike has taken on the Presidency of HEVAC and been Chairman of the ACRIB F Gas implementation group. Mike was also the FETA Chairman during its 30th anniversary year and is currently the President of the Heat Pump Association (HPA).

At the Heating and Ventilating Review Awards, Tom Dee was presented with the Lifetime Achievement Award. Tom has been in the industry since 1965, and since 2001 he has been Technical Director of Johnson and Starley, responsible for R&D, after sales service, quality and health & safety. Within HEVAC, he is a past Chairman of the Residential Ventilation Association and member of HEVAC Council.

Everyone within FETA offers their sincere congratulations to Mike and Tom upon being presented with these awards.





Fire and your legal liabilities

The Association of Ductwork Contractors and Allied Services (ADCAS) outlines your responsibilities when it comes to the fire resistance of ductwork.

It is no longer simply a duty of care to ensure the materials chosen and the contractor who is installing them can both prove competency in fire resistance. It is now your legal obligation under sections 5.3 and 5.4 of the Regulatory Reform (Fire Safety) Order 2005 (similar provisions also exist in equivalent legislation in Scotland and Northern Ireland). The same applies if you are the contractor – you are

legally required to ensure the materials you are installing are adequate for the job.

Fire safety in buildings is under the microscope at the moment and it is vital that we all remain aware of our legal liabilities. In the event of a fire, and any consequent fatalities, a court will want to know every detail of the fire protection system's design and specification.

Fire kills around 300 people and damage claims exceed £1 billion every year in the UK, so there can be no justification for pleading ignorance or taking shortcuts. If you knowingly ignore advice that leads to a failure in the fire performance of any element of installed fire protection within a building, then you are likely to be found to be just as culpable as the deficient installer.



FETA in attendance at HVAC & Refrigeration Show 2018

FETA will be attending the HVAC & Refrigeration Show, taking place on 23rd-25th January 2018 at London's ExCeL Centre. The HVAC & Refrigeration Show is the UK's only dedicated exhibition for the refrigeration, air conditioning, ventilation, heating and heat pump sectors – bringing brands to life. The 2018 show will also see the launch of a new sector – refrigerated and chilled food transportation.

For further information visit: www.hvacrshow.com

The importance of maintenance



Dennis Milligan, Vice President of the British Flue & Chimney Manufacturers Association (BFCMA), highlights the need to ensure chimneys are continuously maintained.

Although selecting the correct chimney and flue for your commercial applications is vital, it is also just as important to ensure that your chimneys or flues are maintained at all times to provide optimal safety and efficiency.

According to UK fire statistics, on average 30,000 chimney fires are recorded each year. This is largely due to the chimney not being cleaned or serviced on a regular basis. Another common reason could be that the chimney is burning fuel that is inappropriate for the appliance which causes tar to build up.

Carbon Monoxide Awareness Month reported industry figures of 15 accidental deaths and 135 people admitted to hospital in the UK in 2015/16, due to carbon monoxide poisoning which is caused by fuels not burning properly (dubbed the 'silent killer' because it is not detectable by the human senses).

Chimneys and flues play a crucial part in the wellbeing and safety of a building's occupants. The correct selection and maintenance of a reliable chimney or flue can significantly enhance performance and provide optimum efficiency for each application, reducing air pollution and lowering the carbon monoxide poisoning risk while improving overall air quality.

To download the BFCMA commercial flue guide visit: www.bfcma.co.uk/download.aspx



FETA working group and guidance document offer vital insight into the use of A2L refrigerants

FETA has set up a new A2L refrigerants working group and has released a guidance note entitled 'An introduction to A2L refrigerants and their use in Refrigeration, Air Conditioning and Heat Pump applications'.

The guidance note has been produced by members of FETA associations and offers an overview of the new refrigerants, as well as some practical advice on their safe use, and some examples of different applications.

It seeks to signpost the fact that these refrigerants will play an increasing role in the market over the coming years; particularly with regard to air conditioning, where future alternatives will include A2L type refrigerants.

The new working group will look to offer clear guidance on A2L refrigerants and the implications of their use, sharing information and communicating changes and updates as soon as they occur. It will also seek to work with standards bodies to ensure any new standards being developed reflect the need for wider usage of such products, in order to meet the requirements of the F Gas regulation.

Russell Beattie, Chief Executive of FETA, comments: "The working group has been formed as a direct result of discussions at the FETA Annual Strategy Forum. It was clear that the subject of A2L refrigerants involved several FETA associations, and it was felt that a working group would be able to co-ordinate and communicate information on this important topic. The group will also be liaising with other organisations with interests in this area such as IOR, ACRIB and FSDF, as well as government departments, with a view to sharing knowledge and best practice across the industry."

Intelligent thinking for a smarter future

Malcolm Anson, President of the Building Controls Industry Association (BCIA), underlines the need for intelligent behaviour in order for smart cities to fulfil their true potential.

The evolution of smart cities is an exciting one no doubt. But as with a lot of things, for the true value of smart cities to be realised, it requires some changes, or shall we say adapting, along the way...

It is expected that by 2020, there will be 30 billion networked appliances and sensors worldwide. More than eight million Building Management Systems (BMS) will be integrated with some form of Internet of Things (IoT) platform, application or service within the next two years.

We live in a digital age where vast amounts of real-time data is readily available on the performance of commercial buildings, as well as the behaviour of the occupants within.

Once this data has been analysed, building owners and facilities managers can make informed decisions and adopt new strategies to lower energy costs and improve wellbeing of occupants.

However, this is where smart behaviour is needed. It's easy for me to talk about the wide and wonderful range of building controls available and the benefits they can bring... but we need to take a moment and analyse our own role in this.

It's easy to think one person doesn't make any difference, but collectively we do. This is why we need to encourage behaviour change.



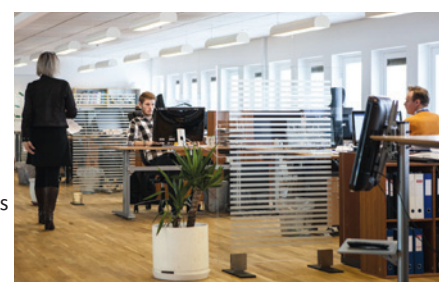
This will not necessarily be a quick fix but innovative solutions only work effectively if the individuals using them are operating them correctly and to their full potential.

This is integral in the design and build chain for example. It's vital that every building professional on the ladder appreciates and understands the overall vision of working towards smart cities.

If each individual solely concentrates on their own task and agenda, the maximum potential of the project will not be fulfilled. This is where good communication is key between engineers, contractors, architects and so on, to be united in their goal to deliver smart outcomes.

Commercial buildings are increasingly becoming more sophisticated. We place high expectations on buildings to be intelligent – so surely it's only reasonable that our own behaviour should match up?

Time and technology doesn't stand still for anyone. Therefore, we need to be savvy and help motivate behaviour change in the workplace, to ensure that the building controls industry continues to be successful and sustainable.





ADCAS celebrates 20 years



ADCAS celebrated its 20th anniversary in style with a dinner cruise along the Thames on 29th June.

Guests on the night enjoyed a three course meal on board the luxurious Bateaux Harmony vessel while taking in views of some of London's most iconic landmarks. ADCAS members, associates and invited guests also enjoyed a drinks reception with live music during the three-hour excursion.

Malcolm Moss, the President, delivered a speech thanking both past and present members for their valuable contributions throughout the 20-year existence of the association, commenting: "ADCAS was formed by the ductwork industry for the ductwork industry. Trade associations can only develop and grow with the participation and support of the members and I would like to take this opportunity to thank the Executive and the Associates Committee Members who have supported the association over many years."

Mr Moss also highlighted the notable achievements and key milestones that have helped elevate the ductwork industry within the UK construction sector.

Among the former presidents of ADCAS and many other distinguished guests was BESA President Mr Malcolm Thomson. Also in attendance was Ms Julia Evans, CEO of BSRIA, and Mr Eli Howard, Technical Director from the Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) in the USA, who kindly offered some unique insights into the American ductwork industry at a meeting held earlier in the day. Following dinner, Mr Michael Ohly of Hotchkiss Group, the very first president of ADCAS and a guest of honour at the event, made a short speech recalling his earliest memories as a founding member.

HPA welcomes revised RHI regulations

The Heat Pump Association (HPA) has responded to the long awaited government reforms to the Renewable Heat Incentive (RHI), first announced on 16th December 2016.



While the unexpected publication of part of the RHI Reform package may have caught many by surprise (in that it arrived a little earlier

than expected), Mike Nankivell, President of the HPA, welcomed it, saying: "It ensures the continuum of the scheme by ensuring the degression triggers have been revised to take account of growth in the scheme. The increased tariffs for both air and ground source heat pumps underscore the importance of these technologies in the government's carbon reduction commitments and makes investment in such technologies attractive to end users and consumers."

These revised regulations also introduce heat demand limits intended to reduce the rate of return for 'large' heat demand projects. Whilst the HPA did not fully support the limits suggested, the reasons for their imposition is understood. The revised regulations came into effect on 20th September 2017.

FETA announces support for Building Services Forum

FETA has announced its support for the Building Services Forum, an exciting new one-day event aimed at building services engineers, specifiers, facilities managers, installers, architects and manufacturers.

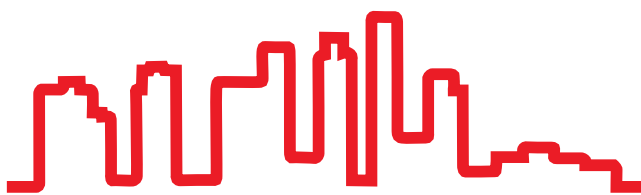
The Building Services Forum will focus on a range of issues, including energy management, HVAC, building controls and the latest legislation.

Martyn Cooper, Commercial Manager at FETA, comments: "FETA is delighted to be supporting the Building Services Forum.

With developments in modern building innovations continuing to surge, it is important for the professionals involved in this sector to meet regularly, share ideas, discuss concerns and discover the latest technology. We believe the Building Services Forum provides the perfect platform to direct the right course for our industry."

The Building Services Forum takes place on 8th February 2018 at the Building Centre in London.

For further information please visit: www.buildingservicesforum.london



BUILDING SERVICES FORUM
8 February 2018 The Building Centre London in association with BSEE

The FETA network

FETA is a federation of trade associations representing ADCAS, BCIA, BFCMA, BRA, HEVAC and HPA but it also has close ties with many other associated groups and industry bodies.

| | |
|----------|--|
| ACRIB | UK Air Conditioning and Refrigeration Industry Board |
| AMCA | Air Movement and Control Association International |
| AREA | Air Conditioning and Refrigeration European Association |
| AHRI | Air Conditioning, Heating and Refrigeration Institute (US) |
| BESA | Building Engineering Services Association |
| BSRIA | Building Services Research and Information Association |
| CBI | Confederation of British Industry |
| CT | Carbon Trust |
| DCLG | Department for Communities and Local Government |
| DEFRA | Department for Environment, Food and Rural Affairs Environment Agency |
| BEIS | Department for Business, Energy & Industrial Strategy |
| EPHA | European Heat Pump Association |
| EPEE | European Partnership for Energy and the Environment |
| EST | Energy Savings Trust |
| EVIA | European Ventilation Industry Association |
| IOR | Institute of Refrigeration |
| SEA | Specialist Engineering Alliance (FETA, ACE, BEAMA, BSRIA, CIBSE, ECA, BESA) |
| SOJACES | HEVAC/BSRIA/CIBSE/ECA/BESA |
| TA Forum | Trade Association Forum |

Meet the board

The FETA board comprises senior officers of all six Associations.

Chairman FETA Board

John Smith
Beijer Ref UK

President ADCAS

Malcolm Moss
Doby Verrolec

President BCIA

Malcolm Anson
Clarkson Controls Ltd

Vice President BCIA

Jon Belfield
InTandem Systems

President BFCMA

Dennis Milligan
Schiedel Chimney Systems

President BRA

John Smith
Beijer Ref UK

Vice President BRA

Mark Woods
Space Engineering Ltd

Past President BRA

Mike Lawrence
JTL Systems Ltd

President HEVAC

Nick Howlett
Titon

Vice President HEVAC

Mark Jones
Woodcock & Wilson Ltd

Past President HEVAC

Graham Wright
Daikin Airconditioning UK Ltd

President HPA

Mike Nankivell

Chief Executive FETA

Russell Beattie
FETA

Diary dates for 2018

- 20-24 January **ASHRAE, Chicago, USA**
- 23-25 January **HVAC & Refrigeration Show, ExCel, London**
- 7-8 February **Energy Now Expo, Telford, UK**
- 8 February **Building Services Forum, The Building Centre, London**
- 22 February **IOR Annual Dinner, The Grange, St. Paul's Hotel, London**
- 16-17 April **ISO/TC 117 Fans, Darmstadt, Germany**
- 19 April **H&V News Awards, London**
- 19 April **FETA Annual Lunch, The Brewery, London**

If you are interested in joining FETA call 0118 940 3416 or email info@feta.co.uk

Published by: Federation of Environmental Trade Associations
2 Waltham Court, Milley Lane, Hare Hatch, Reading, Berkshire RG10 9TH