



CIBSE ANNUAL REPORT AND FINANCIAL STATEMENTS 2016



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What we do

The Chartered Institution of Building Services Engineers (CIBSE) is the professional body that exists for:

- 1) The promotion for the benefit of the public in general of the art, science and practice of such engineering services as are associated with the built environment and with industrial processes, such art, science and practice hereinafter called "building services engineering"; and,
- 2) The advancement of education and research in building services engineering, and the publication of the useful results of such research.

CIBSE supports building services engineers by accrediting courses of study in further and higher education, by approving work based training programmes and providing routes to full professional Registration and Membership, including Chartered Engineer, Incorporated Engineer and Engineering Technician. Once qualified, CIBSE offers a range of services, all focussed on maintaining and enhancing professional excellence throughout a career.

CIBSE is the standard setter and authority on building services

engineering. It publishes Guidance and Codes which are internationally recognised as authoritative, and sets the criteria for best practice in the profession.

The Institution speaks for the profession and so is consulted by government on matters relating to construction, engineering and sustainability. It is represented on major bodies and organisations which govern construction and engineering occupations in the UK, Europe and worldwide.

President's Message

One of the first things you learn when you're helping to run such a large and diverse organisation as CIBSE is that the sheer range of opinions on what the institution is currently about, what it should be about, what it has been about and what it will be about in the future are nearly infinite. You may go into your role as President with a firm view of the organisation, but after meeting and talking with some of the many hundreds of members and volunteers who make up the groups, societies, divisions and committees that enable the smooth running of the work we do; you'll quickly find your ideas challenged.

CIBSE carries out a range of important functions in the building services engineering industry, from



John Field CEng FCIBSE

training to certification to knowledge creation, and all of these areas have passionate champions who believe that this function is the most important one of all. But over the past year, I've come to think that the most important role that CIBSE carries out is its ability to inspire – especially

during times when the future appears uncertain.

Amongst all the practical benefits, membership of CIBSE is a commitment to realising a better future for the building services industry. One in which engineers grow and share their knowledge in order to make their work better, and to pass those benefits on to society as a whole in the form of safer, more

comfortable and more sustainable buildings. This commitment is hard-won through the stringent application process, but it is a career-long goal that outlasts short-term changes in the economy and the political climate.

When it was announced in the early hours of the 24th of June this year that the UK had voted to leave the European Union, it was primarily a feeling of uncertainty that pervaded the industry and the country at large – which continues to this day – especially around the future of the UK's climate policy, which is largely bound up in EU legislation that may cease to have effect. At the time, I called for the building services industry to shrug off the uncertainty and keep working together to maintain the high standards we set ourselves.

Difficult times like these can easily see high-minded ideals put on the back-burner, collaboration shelved in favour of protectionism and standards compromised – but I need not have worried. Despite the jitters, CIBSE and its members continued to work on a myriad of projects for the benefit of building services: Putting on our biggest ever conference and exhibition, releasing a revolutionary new BIM software tool, creating our second Code of Practice amongst a huge range of new knowledge and far more besides. All while keeping a constant eye on Brexit, and the impact it will have on our industry and its aims.

It is true that we might not know exactly how the

UK government will approach a range of issues that affect the built environment for months, and probably years, so it remains up to institutions like CIBSE to set the agenda, maintain standards and act as cheerleaders for better and more sustainable buildings. The built environment needs our hard work and advocacy more than ever in the coming years, and it presents an excellent opportunity to push for an even more ambitious programme of sustainability related measures that will build strong foundations for future generations.

The true strength of CIBSE is its ability to call on the accumulated wisdom of thousands of some of the most skilled and most dedicated professionals across all fields in the built environment, and to focus that knowledge towards solving some of the biggest problems of the next decade. As energy security, cooperation on climate change and the phase-out of fossil fuels become more and more fraught as issues, we will be working with current engineers and the engineers of the future to create solutions.

This would, of course, not be possible without the dedicated volunteers who give so much of their time and effort to help us deliver education, training and individual development that drives the industry forward in the UK and around the world. Ranging from the highly regarded Regional activities, to helping with Group and Society events, lending expertise and helping to organise such a complex



institution, the volunteers' help is of incalculable benefit when their own work lives are often so busy and high-pressure on a day-to-day basis.

CIBSE also relies enormously on its growing team of staff who work tirelessly to further the institution's work and to ensure that it remains sustainable to serve the industry for many more years to come. Through their work this year we delivered an unprecedented set of events, training, workshops and more, as well as implementing a new CRM system and delivering a range of new features including the re-designed CIBSE Journal.

I hope this annual report into CIBSE's work will give you a useful look into the strides we have made in the last year, and a glimpse into what 2017 will bring.

2016 CIBSE Building Performance Awards Winner: WWF – Living Planet Centre, Woking (Atelier Ten) Photograph by Morley von Sternberg

Strategic Themes

Theme 1: Improving building performance

The improvement of building performance is one of the key functions for which CIBSE as an organisation exists. The performance of buildings in the UK and around the world affects many aspects of daily life, from the environment to the economy, and is one of the key areas in the fight against climate change. 40% of the UK's total carbon emissions are created by its building stock, and lowering this figure is key to lowering the country's overall carbon footprint.

Building performance is about more than just carbon reduction, however. Even the most efficient building possible would still be a failure if it were uncomfortable to live and work in – similarly, if other aspects of the building's life are sacrificed in favour

of efficiency; such as the health of its occupants, the community in and around the building and the profits of the company that owns it, the building's performance is reduced. CIBSE champions the continual improvement of building performance as a natural consequence of what it does day-to-day; accrediting courses, creating routes to professional registration, training, producing guides and setting standards. All of this educates engineers and society at large in the importance and practicalities of creating better performing buildings, in order to improve the UK's building performance as a whole.

Theme 2: Sharing engineering knowledge

The built environment is a tremendously complex and ever-changing field that requires precision

from its practitioners in order to deliver and maintain homes and businesses that run smoothly. CIBSE creates and publishes authoritative guidance on subjects across the entire industry in order to allow engineers to keep up with the latest best practice in technology and standards.

It is not just the engineers in specific fields that benefit from the publication of this research – the entire industry benefits from understanding allied professions and the wider impact that technical developments, new standards or changes in the law will have on the built environment as a sector. By advancing the education of engineers and keeping them at the forefront of building services research, wider society also benefits from the fruits of better buildings and improved building performance. By enabling engineers to improve their skills and knowledge, everyone can save on their energy bills, minimise environmental impact and live and work in more comfortable spaces.

Theme 3: Membership

The building services profession is a huge community of people working in the built environment, with an immense impact on the public's everyday lives. In order to ensure that these professionals have access to the latest information and research that CIBSE produces, it is necessary to make the pool of membership as wide as possible so that it impacts the industry as a whole, and therefore the wider population.

CIBSE relies on its members to help generate the

knowledge that the industry benefits from in a wide variety of fields, and countries across the world, to ensure that its scope is as broad and deep as possible. The diversity of CIBSE's membership is important in reaching the organisation's goals, as the benefit to society at large is at its greatest when the knowledge that CIBSE publishes is sourced from as large a cross-section of people and professions as possible.

CIBSE Membership is also about recognising and accrediting expertise, so that those who are qualified can be widely and reliably recognised. By doing this, CIBSE promotes good practice and ensures that the best engineers who value good building performance highly are given due prominence in the industry. For this reason CIBSE also places a high priority on recruiting international members, to ensure that these standards are spread around the world, as well to promote the UK engineering industry abroad.

Theme 4: Growing CIBSE Services

CIBSE Services is a commercial organisation which functions to support the wider charitable aims of CIBSE, by undertaking commercial services that adhere to the aims and ethos of the organisation. Such work enables CIBSE to carry out wider charitable actions that are of benefit to society as a whole, such as running the CIBSE Technical Symposium at a cost that enables young engineers and those starting their careers to benefit from the knowledge it produces.



2016 CIBSE Building Performance Awards Winner: David and Lucile Packard Foundation Headquarters, California, USA (Elementa Consulting, member of Integral Group)

CIBSE Services also exists to raise the profile and status of building services engineering through the delivery of information, including training and certification; to provide a route for all suitable practitioners to deliver high quality outcomes in the areas in which they operate. Through its commercial work, CIBSE Services ensures that this information remains commercially viable, and thereby ensures its continued availability in the long term.

Theme 5: Raising awareness and driving our profile

In order to maximise the impact of all the work CIBSE does, it is necessary to demonstrate the importance of the full spectrum of building services engineering work to as wide a range of people as

possible. The public benefit that the research CIBSE carries out can have is proportional to the extent that people are aware of the issues behind buildings and building performance, and appreciate the benefits of supporting building services engineers in their careers and in their task of bettering building performance.

Demonstrating the importance of good building performance and the link with good building services engineers, reinforces the message that the success of the built environment is crucial to many areas in the public consciousness, from productivity to carbon emissions. Advancing the education of the public in this way then encourages the appreciation and dissemination of the research CIBSE carries out.

Improving building performance

Without building services and the engineers who design them, no building would be anything but a dark, cold, empty shell. Services engineers make the places we live and work safe, comfortable and healthy places to be, and their work ensures that buildings perform on all of these measures to the best of their ability. To enable engineers to remain up to date on the latest science, best practice technology and standards available on building



performance, CIBSE produces and updates guidance every year to educate engineers in the practicalities and principles of better building performance.

Guide B

CIBSE's Guide B: Refrigeration and Air Conditioning is one of the Institution's flagship publications, which underpins HVAC systems and the work of one of the industry's largest sectors. 75 years old and last comprehensively updated in 2001, with a revision in 2005, it has evolved in content and form, but always with the objective of providing an overview of guidance to good practice in the selection and design of HVAC systems.

New sections address heat networks and practical examples of HVAC applications in practice.

According to Dr Roger Hitchen, chair of the Guide's steering group and author



CP2 launch at Kingston Heights in London

of the chapter, "The inclusion of Part 0 to the new Guide has been driven by changes we have seen in the industry, which has seen more and more engineers join building services from other disciplines or more general engineering degrees. The intention is to make this transition easier and to make their future work more effective by helping them to understand the issues created by different contexts, and their relevance to HVAC design."

CP2 : Surface Water Source Heat Pumps: CoP for the UK

In 2015, CIBSE broke new ground by publishing its first code of practice – a publication that laid out

requirements rather than best practice – on Heat Networks, that sought to back up an under-used technology with hard data to encourage its adoption. This year, CIBSE took their next step in this area by releasing a second Code – on Surface Water Source Heat Pumps.

CP2 Surface Water Source Heat Pumps: Code of Practice for the UK is designed to raise standards by setting minimum requirements, highlighting best practice and integrating the supply chain across the whole life of the project. Surface water source heat



pumps (SWSHPs) are an underused technology in the UK. Harnessing renewable energy from the sea, rivers, canals and lakes represents a huge opportunity to provide low carbon heating/cooling to buildings. The Code of Practice has been produced to assist in achieving that aim by raising standards right across the supply chain and to stimulate adoption of the technology

BIMHawk

BIMHawk, a website and software plug-in which enables the creation of standard parameters for use in BIM objects, was launched by CIBSE at the annual Conference. The software has been developed by NG Bailey's Paul Marsland, Design and BIM Development Manager, and enables authorised users to create or upload Product Data Templates (PDTs) corresponding to real-world products with a full set of industry-recognised parameters ready to be filled in. The model can then be imported directly into BIM platforms without disrupting the rest of the design.

The new plug-in has many potential uses, the primary one being the ability for clients to acquire structured data in a predictable format that is used from start to finish by the design and delivery teams. This removes the need to create new



models from scratch for every element of a design, or edit generic or existing models that are not compatible and do not use the same parameters.

Contractors, Consultants and commissioning engineers will also be able to use BIMHawk to compare products on a like-for-like basis, making the process of specifying much faster and more simple, and saving the client money.

Sharing engineering knowledge

Knowledge sharing is one of CIBSE's strategic roles in the industry. CIBSE serves the industry and its clients by developing, publishing and disseminating internationally recognised Guidance and Codes giving authoritative guidance for the design, installation and operation of engineering services in buildings.

2016 has been a significant year for CIBSE publication, with the launch of a completely revised edition of all four volumes of CIBSE Guide B on heating, ventilation, air conditioning and refrigeration systems, along with a new volume, an applications guide to HVAC strategies for common building types.

In 2016 we also launched a new Digital Engineering Series, providing detailed guidance on the application of digital technologies, including Building Information Modelling, in the engineering services sector. As well as the new online guides, a number of

templates have been launched to support the adoption of digital tools by the sector.

Working through the Society of Light and Lighting CIBSE publishes guidance on Lighting, and in 2016 new titles on lighting controls and lighting for the external environment were published.

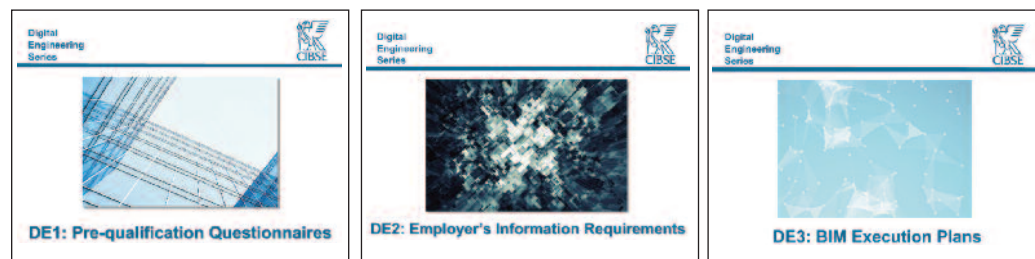
Last year we published 16 titles, as below:

1. SLL LG6 Lighting for the exterior environment (January)
2. CP2 Surface water source heat pumps – Code of Practice for the UK (March)
3. SLL LG14 Lighting controls guide (April)
4. Lighting Factfiles 4: Directives, regulations & standards etc (May)
5. New weather data sets (153 separate sets, to supersede ALL previous sets) (May)

6. Guide B: B0 Applications and activities: HVAC strategies for common building types (June)
7. Guide B1 Heating (June)
8. Guide B2 Ventilation and ductwork (June)
9. Guide B3 Air conditioning & refrigeration (July)
10. Guide B4 Noise and vibration control for building services systems (July)
11. Guide B Combined index (across all parts) (July)
12. Digital Engineering DE1: Pre-qualification questionnaires (August)
13. Digital Engineering DE1T: PQQ – Templates (August)
14. Digital Engineering DE2: Employer's information requirements (October)
15. Digital Engineering DE2T: Employer's information requirements – Templates (October)
16. Digital Engineering DE3: BIM execution plans (November)

This compares to 12 titles published in 2015, 12 in 2014 and 10 in 2013.

We currently have 50 additional publications



projects approved by CIBSE's Knowledge Management Committee (KMC) aiming for publication in the next 3 years.

Technical symposium

The CIBSE Technical Symposium is an annual event designed to allow industry practitioners to present and engage with the latest and most cutting-edge knowledge in the industry. From full-time academic staff with published papers to practicing engineers with practical case study presentations, the Symposium is open to the full spectrum of ideas that enrich and complement the industry's engineering knowledge.

The 2016 Symposium focussed on 2015/2016 President Nick Mead's theme of collaboration, and working together with other industry professionals to achieve better building performance. 51 speakers delivered their presentations to a sell-out crowd on topics as varied as optimum fan coil design, to occupant behaviour. The Symposium also included the following highlights:

- Jonathan Hines of Architype introduced a series of case studies that demonstrated the effectiveness of Passivhaus in reducing energy usage in a number of schools by as much as 70%

- A lively debate between panellists, including former CIBSE president George Adams, on the topic "Putting our head above the parapet is impossible with the present industry structure"
- A presentation by Ian Van Eerden of Northrop Consulting Engineers and Paul Angus of Erbas on the Australian building performance scheme NABERS, demonstrating how it works and how its lessons could be applied to improve operational building performance in the UK.

Technical Journals

- CIBSE publishes two technical Journals, Building Services Engineering Research and Technology (BSER&T), and Lighting, Research & Technology (LR&T). These continue to go from strength to strength, with BSER&T published six times a year and LR&T eight times per year in response to demand from those submitting papers, and significantly increasing the role of the Institution in disseminating research to a wide audience.
- During 2016 Prof Chris Underwood stepped down from the chair of the BSER&T Editorial Panel, having completed his five year term. Bill Whalley also stepped down as Managing Editor after nearly twenty years in the role. CIBSE is indebted to both for their tireless contributions to the



CIBSE Technical Symposium 14-15 April 2016 at Heriot Watt

Journal. Also during 2016 LR&T appointed additional associate editors to support Dr Peter Boyce, the Editor.

- CIBSE members continue to benefit from online access to both Journals as a benefit of their membership package.

Societies (Divisions)

CIBSE operates four "Divisions" as they are defined in the by-laws. Three are called Societies, and the fourth, and newest, is the Institute of Local Exhaust Ventilation Engineers, ILEVE. All four are commonly referred to as "the Societies":

- Society of Light and Lighting (SLL)
- Society of Public Health Engineers (SoPHE)
- Society of Façade Engineering (SFE)
- Institute of Local Exhaust Ventilation Engineers (ILEVE)

The Society of Light and Lighting (SLL)

SLL represents and welcomes all those who are interested in the art, science and engineering of light, lighting and its applications, and is open to everyone with an interest in lighting. The Society offers authoritative publications, professional recognition and a wide range of learned society activities. The SLL is recognised worldwide as an authority on lighting and its applications. The SLL has an active website, Twitter account (@SLL100) and LinkedIn discussion group to allow communication with and between SLL members. The Society also organised a range of events, including the Ready Steady Light competition, and the 2016 Pockets of Light event held in York.

The year began in Royal fashion, as the SLL team were invited to Buckingham Palace to present HRH the Duke of York KG with honorary Fellowship of the SLL, for his patronage of the industry. As Patron of the UNESCO International Year of Light 2015, HRH The Duke of York KG, attended a number of celebratory events and engaged with the scientific, commercial and creative lighting industries. In recognition of his contribution, SLL offered the Duke an Honorary Fellowship of the Society, which was graciously accepted.

Under new President Jeff Shaw, the SLL also continued its golden year of awards for the Night of Heritage Light – claiming Heritage Project of the Year at the Lighting Design Awards, Best Creative Lighting Event at the darc Awards and a Highly



Pockets of Light event, York – © Lee Wright

Commended at the Construction Marketing Awards. Rounding off its celebration of the first anniversary of the Night of Heritage Light, the SLL team took part in the spectacular events in the ancient city of York with ‘Pockets of Light’ and ‘Illuminating York’. Working with local schools, the SLL held workshops that introduced students to the art and science of light, and utilised their designs in lighting some of York’s most famous sites: Including the Roman Multangular Tower and St Michael’s Church.

The Society of Public Health Engineers (SoPHE)

SoPHE aims to provide a higher profile and focus for public health engineers within CIBSE. The Society has its own classes of membership, independent of those of CIBSE, and is able to provide designatory letters to those who are suitably qualified and experienced in public health engineering. SoPHE also awards the SoPHE Graduate of the Year Award annually to focus attention on the next generation of engineers (see page 33).

The Society of Façade Engineers (SFE)

SFE was set up to bring people together in a forum to advance knowledge of façade engineering, promote good practice and ensure that today's increasingly complex building façades meet the many and varying requirements placed on them.

The Institute of Local Exhaust Ventilation Engineers (ILEVE)

The newest division of CIBSE, ILEVE, exists to recognise competence in the practical application of local exhaust ventilation and to raise awareness of the importance of good air quality and ventilation in workplaces.

In 2016, The Institute of Local Exhaust Ventilation Engineers swore in its first female Chair, Jane Bastow, five years since the Institute was founded in 2011. Jane is a ventilation engineer with over 30 years of experience, and managing director of P&J Dust Extraction Ltd. She is a founder member of ILEVE, and has been a Vice Chair of its Steering Committee for over four years.

Also on the agenda at the ILEVE AGM was the Institute’s Competence Cards – cards issued to members as evidence of their qualifications in the field. A focus will be placed on helping engineers to meet the competency requirements in order to move the industry’s skills forward, and to spread knowledge about its expertise to other industries.

Special interest groups

CIBSE has 18 specialist interest groups, covering a range of topics. Participation in these is open to all with an interest in the topic, regardless of whether or not they are members.

1. ASHRAE
2. Building Simulation
3. Chimneys and Flues
4. CHP & District Heating
5. Daylight
6. Electrical Services
7. Energy Performance
8. Facilities Management
9. Healthcare
10. Heritage
11. Homes for the Future
12. Industry, Education and Training
13. Information Technology (IT) & Controls
14. Intelligent Buildings
15. Lifts
16. Natural Ventilation
17. Resilient Cities
18. School Design

Networks

Women in Building Services Engineering (WiBSE)

The WiBSE network exists to support and encourage women joining, working, staying and progressing in the building services industry, to inspire the next generation and create the support network that will enable more women to join, stay and progress within our industry and Institution. The aims of the network are to:

- Increase and retain the number of women in the Building Services Industry.
- Improve life for those women already working in the sector by providing advice, encouragement, support, mentoring and training.
- Address the gender imbalance issues.
- Provide networking events for members.

Young Engineers Network (YEN)

The CIBSE Young Engineers Network is a network of regional centres that aim to provide a forum and support network for young engineers within CIBSE.

Each Centre consists of a committee which organises technical and networking events in the local area. A Centre can consist of young engineers who happen to live or work in that area or a Centre may also be formed at a place of learning and consist of students. The aims of YEN are to:

- Promote a positive and welcoming image.
- Provide a platform for new thinking, novel approaches to design and knowledge exchange.
- Ensure that young engineers engage more closely with our professional institution at an early stage in their careers.
- Encourage more women to join the building services profession.
- Establish a link with CIBSE Council.
- Promote building services engineering to school and university students.
- Guide young engineers towards a long term career in building services.

Developing our membership

With over 21,000 members in more than 100 countries around the world, CIBSE is the leading professional body for the building services profession. CIBSE members are part of a global network that offers professional support and expertise, working in partnership with other professional bodies, construction and

engineering firms worldwide to deliver excellence in the built environment.

CIBSE provides members with:

- Unlimited access to the Knowledge Portal
- Subscription to the CIBSE Journal, CIBSE e-newsletter, BSER&T and LR&T Journals
- Preferential rates on printed copies of publications from CIBSE and other publishers
- Extensive opportunities for professional development and networking.

Regions

The Institution is organised on a regional basis – there are 16 regions in the UK and four overseas: in Ireland, Australia and New Zealand, Hong Kong and the United Arab Emirates, with CIBSE members in over 100 countries outside the UK.



Launch of UAE region

There are also Chapters in Canada, China (Shanghai and Chongqing), Qatar, Singapore and Sri Lanka.

The CIBSE regions in the UK and around the world continued to play a major role in the Institution during 2016. Each region is driven by a committee of dedicated volunteers who aim to promote the intellectual welfare of members and improve the understanding of building services engineering among other professions and society in general, by organising periodic meetings and other activities related to the theme of the built environment.

Following many years of work by the UAE committee, CIBSE gained a license in April 2016 from the Dubai Association Chamber to operate as an official region in the United Arab Emirates (UAE). This is not only a milestone for the local committee in the UAE, but one for CIBSE, as this is the first new region that has been launched in 29 years. The launch dinner was attended by the CIBSE President and the Director of Membership.

The CIBSE Scotland region celebrated its 80th anniversary with the launch of a special publication on its place in Scottish engineering history, as well as an anniversary dinner and awards. At these ceremonies, the region's first ever Student Awards were launched and won by Kiyomi Honjigawa, Heriot Watt University and Kieran McFadden from Glasgow Caledonian University.

CIBSE Northern Ireland Region celebrated its 50th

anniversary with a dinner in Belfast on 4 November. John Field, CIBSE President, joined the regional chair, Jonathan Grimshaw, and regional dinner secretary, Richard Gilpin, to commemorate the half-century – where certificates of commendation were also presented to prominent members.

- Australia & New Zealand
- East Anglia
- East Midlands
- Home Counties North East
- Home Counties North West
- Home Counties South East
- Home Counties South West
- Hong Kong
- Ireland
- Merseyside & North Wales
- North East
- North West
- Northern Ireland
- Scotland
- South Wales
- South West
- Southern
- United Arab Emirates
- West Midlands
- Yorkshire

Growing CIBSE Services

CIBSE Journal

The Journal had a very successful 2016, cementing its reputation as the industry leading magazine.

The Journal supported CIBSE events and initiatives across the year with promotion and coverage of the Building Performance Awards – including detailed case studies of the 2016 winners; promotion and coverage of the CIBSE Building Performance Conference and Exhibition; promotion and post event coverage of the CIBSE Technical Symposium; coverage of the Young Engineers Awards and support and coverage of other CIBSE, Society, Group and Regional events across the year.

It produced a Careers supplement in February, showcasing why the industry is an exciting place to work, and aiming to encourage building services engineering as a career.



The Journal published a further five supplements in 2016. These were: Schools and education; BIM; Commercial heating – for the first time; Hotel and leisure; CPD. As well as producing a lighting special, which ran inside the December 2016 edition.

The October 2016 edition saw the Journal produce a special 40th Anniversary edition, commemorating the 40 years since CIBSE gained its Royal Charter. This included essays from leading industry figures, including: Patrick Bellew, founding director of Atelier Ten; Max Fordham, founder of Max Fordham; CIBSE President John Field; and Sasha Krstanović, director of building engineering at AECOM.

Online the CIBSE Journal website, and jobs site have continued to grow their presence, increasing visitor figures.

www.cibsejournal.com

Certification

CIBSE Certification continues to make significant progress in expanding its ability to certify to new standards.

Having successfully applied to UKAS to be accredited to certify organisations against the Energy Management Systems Standard ISO 50001, CIBSE Certification now provides the industry with an avenue to ISO 50001 compliance, saving them money and making it easier to comply with ESOS regulations. A growing number of both large and small organisations are now being certified against ISO50001, and CIBSE Certification has also applied to UKAS to be accredited to ISO9001 Quality Management.

In addition, the Register of Heat Network Consultants has now been successfully established and is growing in numbers.

www.cibsecertification.co.uk

Training and CPD

CIBSE Training continued to offer numerous continuing professional development (CPD) courses, Online Learning modules, and energy assessor training programmes. In 2016, over 150 courses ran, training over 2000 delegates.

The CPD portfolio covered a range of topics, such as electrical service, energy efficiency, facilities management, fire safety and lighting. In comparison to 2015, 2016 saw an increase of 30% uptake in in-

house courses. This resulted in 71 courses being delivered directly to commissioning companies. Two new Online Learning modules were released, Drainage and Acoustics, enhancing the new flexible resource for maintaining and upgrading the skills of engineers already in the sector.

www.cibse.org/training

Knowledge Portal (KP)

The Knowledge Portal provides all CIBSE members with access to the full range of CIBSE guidance as a benefit of membership, allowing them to access the full range of authoritative guidance online, anywhere and at any time. This enables them to ensure that the services they provide to their clients can be based on the current and up to date guidance. The portal also makes CIBSE's knowledge accessible to all, on payment. Revenues from the portal contribute to the maintenance and development of CIBSE's guidance, which includes:

- CIBSE Guides
- Applications Manuals
- Lighting Guides
- Commissioning Codes
- Technical Memoranda
- Knowledge Series
- A wealth of other CIBSE content including case studies and research papers submitted to the Technical Symposia

www.cibse.org/knowledge

Raising awareness and driving our profile

A key priority for CIBSE throughout the year was to raise the public profile of the Institution, in order to support wider use of the Institution's knowledge and expertise to deliver better buildings and to shape the debate around key issues in the building services sector.

Building Performance Conference and Exhibition (17-18 November 2016)

The 2016 Building Performance Conference and Exhibition focussed on health and wellbeing and welcomed over 500 guests, speakers and exhibitors to London's QEII Conference Centre for the third and final time – with the next Conference taking place at London Olympia in Kensington. The first day of the Conference saw a heavy focus on building performance, opening with two industry heavyweights in Max Fordham and Patrick Bellew, who gave their thoughts on how our attitude to performance has changed. The afternoon sessions then focussed on air quality, both indoor and outdoor, and how it impacts the built environment.



CIBSE Building Performance Conference and Exhibition

The building performance segments of the day were kicked off by making the financial case for building performance, including how to sell the benefits to the supply chain, and why you can't afford to ignore whole life cost. This was followed by an update on the future of building performance legislation in light of Brexit.

The second day also saw occupants feature heavily, beginning with a focus on retrofitting as a way to improve the existing building stock. Speakers including Munish Datta of Marks & Spencer and Joel Gustafsson of Max Fordham LLP presented examples of how retrofitting can not only improve a building's energy performance, but also make it a more pleasant environment to live and work in.

Day two was rounded off with a presentation by Digital Catapult's Mat Colmer on the potential of technology to revolutionise the future of building services engineering, from advances in the potential of big data to the use of virtual reality, and the business benefits of a good data strategy.

www.cibse.org/build2performlive

Engaging with Government

CIBSE interacts with government and other external stakeholders such as the Royal Academy of Engineering and the British Standards Institution in policy and technical fields. We contribute to a number of government departments, including the Departments of Communities and Local

Government (DCLG), and Business, Energy and Industrial Strategy (BEIS), which incorporates the former Department of Energy and Climate Change (DECC).

Our objective is to provide government with clear advice on the engineering options, opportunities and challenges relating to policy for the built environment and the companies and engineers working in the sector and in its supply chain. Through our focus on building performance we seek to raise awareness in government of the impacts of policy on delivering buildings that perform effectively for the benefit of their users and the businesses that operate them.

Strengthening the future of the industry

The UK has one of the longest and most vibrant histories of engineering in the world, and a long tradition of delivering engineering innovation – but its future depends on the ability to train new generations of engineers to fill the growing demand. The next crop of young engineers also need to be trained to strive for better building performance, and to value sustainability. CIBSE is very active in supporting engineers starting their careers, encouraging young people into engineering and assisting the growth of those already in the industry, as well as working to diversify the sector to reach untapped sources of talent.

Media relations

Marking our second year with public relations agency Ridgemoor PR, 2016 was another record-breaking year in the press, placing the highest ever number of articles and generating the highest ever level of AVE (advertising value equivalent – the amount of money it would have cost to place the same piece in the press as a paid advertisement).

CIBSE and Ridgemoor were able to place and complete 43 feature articles in 2016, up from a total of 22 in 2015. This, and a general increase in the amount of non-feature media coverage obtained, allowed us to increase the total number of news articles published featuring CIBSE by 217 to 1012, the first time CIBSE has featured in over 1,000 articles in a year. The value of this coverage was £1,636,171 – an increase of £511,418 on the 2015 total, and over double the 2014 total. This PR activity raises wider awareness of the work of the Institution and makes its guidance, training and activities known to a wider body of users and beneficiaries than would otherwise know of our work.



CIBSE Building Performance Conference and Exhibition

CIBSE website

In July 2016 the CIBSE website was integrated with CIBSE's new CRM system. The main change for website users was the introduction of a new MyCIBSE area where they can check and update their contact details, view information about their membership status as well as, for the first time, store payment information, view past

transactions and download receipts. Over 8,000 members had logged in to the new MyCIBSE area by 30 January 2017.

www.cibse.org

Social media

#Build2Perform

Designed as a way to gather all CIBSE's building performance content in one easy-to-reach place, and to mark CIBSE out as a champion of building performance online, the new hashtag #Build2Perform has made a significant difference to CIBSE's voice.

Now adopted into the brand across the range of online media, and into the CIBSE Journal and



CIBSE Building Performance Conference and Exhibition

Conference, #Build2Perform has placed CIBSE content in front of an extra 150,000 people a month. It is also regularly used by leading individuals and organisations including the Engineering Council and Innovate UK.

Podcast

As a new feature for 2016, the CIBSE podcast was introduced to expand the range of media that CIBSE is able to cover. Intended as a 'behind the scenes' feature, it would present the work CIBSE does in a bite-size and accessible way to enable members and potential members to engage 'on the go'.

This podcast has been hosted online and promoted via the #Build2Perform blog and brand, and with five podcasts produced so far, has attracted 1,100

listeners. Topics have ranged from CIBSE events to indoor air quality, wellbeing and diversity in engineering, and have featured topical guests including Max Fordham, Alan Fogarty, Susie Diamond and Julie Godefroy.

www.soundcloud.com/build2perform

Twitter

CIBSE's social media activity online continued to be led by its Twitter account, which achieved a record year in terms of its reach and effectiveness. Led by the launch of its new flagship hashtag, #Build2Perform, the account grew its followers by more than 2,600 – reaching 19,000 by the end of the year.

As well as doubling the number of mentions, likes, retweets, replies and link-clicks received by the

account on the 2015 figures, the average number of interactions per tweet increased to 58 from 38, meaning that nearly twice the number of people saw CIBSE's activity compared with the same period last year.

www.twitter.com/cibse

Blog

The CIBSE blog (now named the #Build2Perform blog) also saw a bumper year. Buoyed by the effect of its re-launch under the new hashtag, the blog saw its average readership double from around 2,000 a month to 4,000 a month. It also managed to more than double its total readership over the year to over 53,000 – recording its top five best ever months in 2016, and seven of the top ten most-read blogs.

The #Build2Perform blogs expanded the range of topics, as well as its sources, and debuted a series of mini-themes that continued throughout the year – including alternative methods of power generation, the HFC phase-out, wellbeing and occupant behaviour. These were successful in engaging readers to return for subsequent blogs on the same topic.

www.cibseblog.co.uk

LinkedIn

LinkedIn acts as a forum for discussion of technical topics and a wide range of topical issues, from news to legislation to best practice. The main CIBSE group saw another 1,047 people join in 2016, pushing the total to over 22,000. CIBSE divisions, regions and special interest groups also host their own groups to communicate with their members and followers.

www.cibse.org/linkedin

	2015	2016
Twitter followers	16,370	19,000
Blog views	24,333	53,359
LinkedIn members	21,163	22,210
Podcast listens	n/a	1,100

Building services awards

Building Performance Awards (24 February 2016)

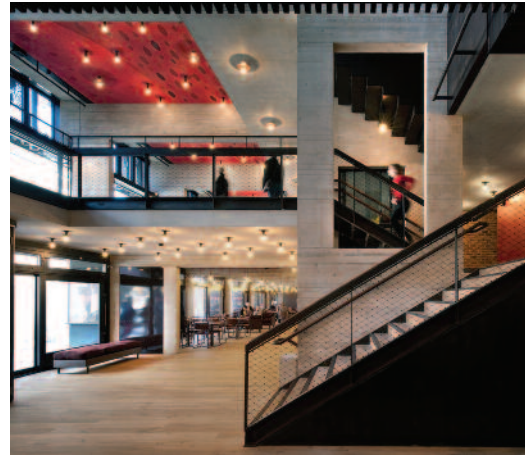
Building performance is one of the most important issues that must be tackled by the building services industry, this country and this planet over the next few decades. The CIBSE Building Performance awards provide a crucial focus on proven building performance, rather than designed or predicted performance.



2016 CIBSE Building Performance Champion: Everyman Theatre, Liverpool (Waterman Building Services)

Judged by a diverse panel of experienced professionals from across the built environment supply chain, entrants are required to provide at least one year's worth of operational performance data to prove their achievements in delivering outstanding building performance.

The 2016 winners were announced at a dinner attended by over 750 people at the Grosvenor House Hotel in London



CIBSE Building Performance Awards 2016

on 24 February 2016. Waterman Building Services celebrated winning the overall prize of Building Performance Champion for its low-energy services strategy at Liverpool's Everyman Theatre. Munish Datta, judge and head of facilities management and Plan A at Marks & Spencer, said: "This entry was something special – it goes beyond carbon, looking at all the other things that tie sustainability together."

www.cibse.org/bpa



FAÇADES 2016 (1 December 2016)

Organised by the Society of Façade Engineering, FAÇADES 2016 provides an opportunity for those within the discipline of façade engineering to gain recognition by their peers and the architectural community. The 2016 winners were announced at the Glass Supper on 1 December in London with Façade of the Year going to Arup for 10 New Burlington Street, London, and Outstanding Façade Innovation awarded to TU Delft & ABT Consulting Engineers for the Crystal Houses, Amsterdam.

The Happold Brilliant Award

Winner: University of Ulster Faculty of Art, Design and the Built Environment

Each year the Chartered Institution of Building Services Engineers (CIBSE) presents the Happold Brilliant Award to the University Department judged to offer the best balanced accredited course in the discipline. The trophy was received by Dr Mervyn Smyth and Dr Jayanta Mondol on behalf of the University of Ulster.



CIBSE Gold Medal Winner – Doug Oughton

Ken Dale Travel Bursary

Winner: Elie El Choufani of WS Atkins & Partners Overseas – Dubai

Dubai-based Elie El Choufani was awarded the 2016 Ken Dale Travel Bursary for his proposal to research airport design in different environments around the world; to identify opportunities and new approaches to energy efficiency at airports that can lessen both cost and emissions.

The Bursary is an annual award that offers young building services engineers the opportunity to experience technical, economic, environmental, social and political conditions in another country and to examine how these factors impact the practice of building services engineering.

CIBSE Gold Medal

Winner: Doug Oughton

The CIBSE Gold Medal is the highest award that CIBSE bestows on an individual, and recognises a lifetime of excellence in building services engineering, and exceptional contribution to the improvement of the profession. A rare honour, the medal has only

been awarded 31 times since its inception in 1912. Doug, a CIBSE Past-President (2002/03), was recognised for his exceptional services to the institution; for his contribution to CIBSE over almost 50 years, and especially his work on skills and professional development within the building services profession.

President's prize – The Undergraduate Award (Sponsored by Hays Building Services)

Winner: Ann Johny, Heriot-Watt University

Ann Johny from Heriot Watt University, Dubai is the winner of the 2016 CIBSE Undergraduate Award. Ann studied for a BEng (Hons) in Architecture Engineering and won with her final year project entitled "Optimising Double Skin Facades for High Rise Office Buildings in United Arab Emirates". Dr Kirk Shanks, representing Heriot Watt University, Dubai, was also awarded a trophy in acknowledgement of its achievements.

The Award is open to all CIBSE Student members in their final year of BSc, BEng and MEng study. A selection panel, appointed by the CIBSE Board decide which project is worthy of winning by looking for evidence of excellent understanding and knowledge in building services engineering, science and design, as well as originality and high quality visual information. The Award is the subject of an open competition and has an annual closing date.

Runners up: Anastasija Taranenko from Heriot Watt University, UK and Roxana Maria Amarandei from Gheorghe Asachi Technical University.

Society of Light and Lighting (SLL) Young Lighter of the Year Award (24 November 2016)

The SLL Young Lighter of the Year Award provides a unique platform for young lighters to raise their profile within the industry. Lighting engineer Sofia Tolia won in 2016, with her paper, entitled 'Variable Lighting Levels for Highways – A Different Approach', which was delivered in a 15 minute presentation at the LuxLive exhibition on 24 November 2016. James Duff won best presented paper for 'A Journey Towards Change', and other finalists were Aisha Robinson and Eleonora Brembilla.

Society of Public Health Engineers (SoPHE) Young Engineer of the Year Award

The SoPHE Young Engineer Award challenges applicants, aged 18-35, to develop an engineering solution. In 2016 it was won by Amelia Paszkowski, Brittany Harris and Ross Boulton (all of BuroHappold), whose design for a practical and affordable flood defence system designed for individual homes delivered impressively on all requirements. As well as this, the design was commended for its sustainability – both in terms of the materials used and its community impact: It is 100% re-usable and biodegradable, and it



CIBSE ASHRAE Graduate of the Year 2016

Winner: Antoni J. Sapina Grau, WSP/Parsons Brinkerhoff and Brunel University

The CIBSE Graduate of the Year prize at the YEA is one of the most coveted in the industry, and recognises excellence in the early stages of the engineer's career. The shortlisted finalists are among the best young engineers in the profession by default, and what makes this award different is that the contenders must also prove that they have the best soft skills by delivering five minute presentations on a theme.

Antoni Sapina Grau delivered his presentation on the impact of technology on traditional engineering skills, crafting a witty and informative talk on how computers enable engineers to juggle the varying needs of all the stakeholders in the construction process.



Winner of the CIBSE Employer of the Year award, Beverly Quinn, TUV SUD Wallace Whittle

SoPHE Young Engineer of the Year Award encourages communities to be self-sufficient and co-operative in planning flood measures.

Young Engineers Awards (13 October 2016)

The 21st Young Engineers Awards (YEA) were marked once again by a very high standard of entry and the truly international range of entrants from across Europe and the Middle East. The awards emphasised the importance of hands-on-learning, and using that learning to adapt current methods for the future. On that theme, the young hopefuls were tasked with delivering a presentation on the topic of technology, and how it can help or hinder the modern engineer.

CIBSE Employer of the Year Award 2016

Winner: TÜV SÜD Wallace Whittle

The awards may be about young engineers, but none of their work would be possible without the support, encouragement and training provided by stellar organisations who go above and beyond to ensure their staff have the best start to their careers. From help with CPD to hands on experience with big projects, to support in further qualifications, employers can make a huge difference to a young engineer.

This year's overall prize was won by TÜV SÜD Wallace Whittle, while in the individual categories the Large Employer of the Year was Atkins, the Medium Employer of the Year was TÜV SÜD Wallace Whittle and the Small Employer of the Year was Method Consulting LLP.



2016 CIBSE Building Performance Awards Winner: John Lewis, York (IES / John Lewis / Lateral Technologies and Solutions / Next Control Systems)



2016 CIBSE Building Performance Awards Winner: Sirius Building, Canberra, Australia (Mirvac Group)

Full list of award winners in 2016:

Bronze Medals for Services to the Region

- P Forrest – CIBSE West Midlands
- B Sterling – CIBSE Ireland

Carter Bronze Medal

- C A Short, G Renganathan, and K J Lomas

CIBSE Building Performance Awards

- Building Performance Champion / Project of the Year – Leisure: Everyman Theatre, Liverpool – Waterman Building Services
- Building Services Consultancy of the Year (up to 100 employees): Beverley Clifton Morris (BCM)
- Building Services Consultancy of the Year (over 100 employees): Hoare Lea
- Facilities Management Team Award: Sirius Building, Canberra, Australia – Mirvac Group
- Energy Saving Product of the Year: EndoTherm – Endo Enterprises (UK)
- Building Performance Training Programme Award: Building Services Explained for VolkerFitzpatrick Site Teams – VolkerFitzpatrick

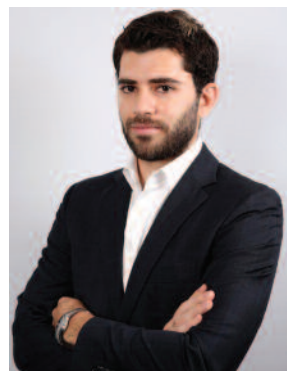
- Collaborative Working Partnership Award: John Lewis, York – IES / John Lewis / Lateral Technologies and Solutions / Next Control Systems

- Energy Management Initiative Award: British Land Portfolio Energy Reduction Programme – British Land

- Lighting for Building Performance Award: WWF, Living Planet Centre, Woking – Atelier Ten

- Project of the Year – Commercial/Industrial: 50 Shakespeare Street Refurbishment, Nottingham – Nottingham Trent University

- Project of the Year – Public Use: Wilkinson Primary School, Wolverhampton – Architype with E3 Consulting



Ken Dale Travel Bursary Winner –
E El Choufani

- Project of the Year – Residential: Clapham Retrofit, London - Arboreal Architecture
- Project of the Year – International: David and Lucile Packard Foundation Headquarters, California, USA Elementa Consulting (member of Integral Group)

CIBSE Gold Medal

- D Oughton

CIBSE Silver Medal

- J Anderson
- K Kelly
- H Lung Wai Lam
- C Northey

FAÇADES 2016 (Society of Façade Engineering)

- Façade of the Year: 10 New Burlington Street, London – Arup
- Outstanding Façade Innovation: Crystal Houses, Amsterdam – TU Delft & ABT Consulting Engineers

The Happold Brilliant Award

- The University of Ulster Faculty of Art, Design and the Built Environment

Honorary Fellowships

- P Day
- M J Holmes
- M A Humphreys
- M Smith

Ken Dale Travel Bursary

- E El Choufani

Napier Shaw Bronze Medal

- J Taylor, M Davies, P Biddulph, E Oikonomou, C Shrubsole and A Mavrogianni

President's Prize: CIBSE Undergraduate Award

- A Johny

Society of Light and Lighting Young Lighter of the Year Award

- S Tolia

Society of Public Health Engineers Young Engineer of the Year Award

- A Paszkowski, B Harris and R Boulton

Young Engineers Awards

- CIBSE ASHRAE Graduate of the Year: A J Sapina Grau
- CIBSE Employer of the Year: TÜV SÜD Wallace Whittle

Plans for the future

Theme 1: Improving building performance

We will drive improved performance of our built environment through a life cycle whole-building approach to design, operation and maintenance.

Theme 2: Sharing engineering knowledge

We will lead by working with our members, and industry, to provide best practice knowledge, guidance, and learning at point-of-use to continuously improve the performance of buildings and the communities they serve.

Theme 3: Developing our membership

We will champion the contribution that our sector and our members make to society by delivering buildings that are comfortable, valuable and sustainable.

Theme 4: Growing CIBSE services

We will support industry by developing resources that deliver comfortable, valuable and sustainable buildings, and support technical excellence, business success and individual achievement.

Financial accounts and summary

The Institution's Annual Accounts are presented to meet all applicable accounting standards including the Statement of Recommended Practice – Accounting and Reporting by Charities and the Financial Reporting Standard applicable in the UK and Republic of Ireland (Charities SORP FRS 102). Investments are shown at market value and the Annual Accounts incorporate the assets, liabilities, income and expenditure of the Regions. The results of the Institution's commercial subsidiary CIBSE Services Ltd are incorporated into the Consolidated Accounts.

In 2016, total income increased by £259k from £6.7m to £6.9m largely due to a £327k increase in trading subsidiary income, which also absorbed a £88k decrease in membership income. Total expenditure increased by £634k from £6.8m to £7.4m due to substantial investment two areas. The first of these is the Institution's 2020

Strategy, which was adopted to develop the work of the Institution across the key areas of activity described in the Trustees report and thus deliver a substantial long term enhancement to the delivery of its objectives. The Trustees remain fully committed to the long term benefits of this strategy, although it is acknowledged that expected income sources have not emerged as quickly as had been hoped. The second major investment was in the Institution's IT Strategy, which has been a three year project to overhaul the Institution's websites, to replace its CRM system and to improve integration in order to enhance significantly the delivery of the Institution's services and activities.

As a result, net expenditure before gains on investments rose from £84k in 2015 to £458k in 2016. To support the investments made, the Board had given approval in previous years for the use of £500K of the Institution's

reserves to support the IT project and this sum was drawn down from the Institution's investments during 2016.

Although improved, continued volatile financial market conditions resulted in unrealised gains on investment assets of £45k in 2016 compared to a gain of £31k in 2015 and £114k in 2014.

There was an actuarial loss on the defined benefit pension scheme of £218k during 2016, attributable in large part to the requirement to adopt a revised discount rate in the valuation of scheme liabilities. This compared with a £205k actuarial loss during 2015. The next triennial valuation of the scheme is due as of 1st April 2017.

These movements resulted in a net decrease in funds of £436k from £3.1m in 2015 to £2.7m in 2016. This decrease is attributable to a surplus of expenditure of £458k, reflecting the agreed use of reserves as described above in pursuit of the Institution's objectives, together with net gains on investment assets of £240k offset by the actuarial loss on the defined benefit pension scheme of £218k.

The cash balance decreased by £378k from £714k in 2015 to £336k in 2016, partly as a result of the factors described above, but also because the transition to the new CRM system prevented the early collection of 2017 subscription income, which in previous years has improved the cash position.

Reserves policy

The Institution has a reserves policy to maintain a level of funds that is sufficient to meet four months of payroll expenditure, any unplanned contingencies and to accommodate investment for new initiatives. The Board considers that the Institution's current free reserves are sufficient for these purposes, but it is the intention of the Trustees that reserves will be rebuilt to previous levels over time.

At the year end, the Institution held free reserves of £0.6m (2015: £1.1m), being the amount of funds available for unrestricted use. This represents reserves carried forward excluding restricted and designated funds, and less reserves held as tangible fixed assets.

It is the view of the Board that any expenditure from reserves should be applied only to finance new initiatives which will make a substantial contribution to the delivery of the Institution's strategic charitable objectives, and that the cost of existing activities should be met from incoming revenues from year to year. Any decision on the use of reserves rests with the Board on the advice of the Hon. Treasurer and the Finance Sub Committee. As described above, a previously agreed draw down of £500K was undertaken during 2016 to finance the strategic development of the Institution's IT systems.

Consolidated Statement of Financial Activities for the year ended 31 December 2016

	Unrestricted Funds	Restricted Funds	Total 2016	Unrestricted Funds	Restricted Funds	Total 2015
	£	£	£	£	£	£
INCOME FROM:						
Charitable activities						
Members' subscriptions	2,941,083	52,683	2,993,766	3,036,880	45,353	3,082,233
Fees receivable for charitable services	752,019	13,100	765,119	722,829	13,255	736,084
Other trading activities						
Trading subsidiary companies	3,141,437	-	3,141,437	2,814,510	-	2,814,510
Investments						
Investment income	90,338	-	90,338	98,834	-	98,834
Total income	6,924,877	65,783	6,990,660	6,673,053	58,608	6,731,661

Consolidated Statement of Financial Activities for the year ended 31 December 2016 (continued)

	Unrestricted Funds	Restricted Funds	Total 2016	Unrestricted Funds	Restricted Funds	Total 2015
	£	£	£	£	£	£
EXPENDITURE ON:						
Raising funds						
Trading subsidiary companies	3,369,068	-	3,369,068	2,758,871	-	2,758,871
IT infrastructure investment	99,326	-	99,326	97,974	-	97,974
Charitable activities						
Membership	1,472,788	-	1,472,788	1,407,380	-	1,407,380
Publications	448,477	-	448,477	469,314	-	469,314
Technical	499,205	69,273	568,478	525,957	54,464	580,421
Regional & special interest groups	1,067,158	-	1,067,158	1,060,424	-	1,060,424
Research	313,270	-	313,270	314,358	-	314,358
IT infrastructure investment	111,012	-	111,012	126,878	-	126,878
Total expenditure	7,380,304	69,273	7,449,577	6,761,156	54,464	6,815,620

	Unrestricted Funds	Restricted Funds	Total 2016	Unrestricted Funds	Restricted Funds	Total 2015
	£	£	£	£	£	£
Net (expenditure)/income before gains on investments	(455,427)	(3,490)	(458,917)	(88,103)	4,144	(83,959)
Net gains on investments	240,053	-	240,053	30,827	-	30,827
Net (expenditure)/income	(215,374)	(3,490)	(218,864)	(57,276)	4,144	(53,132)
Other recognised losses						
Actuarial loss on defined benefit pension scheme	(218,000)	-	(218,000)	(205,000)	-	(205,000)
Net movement in funds	(433,374)	(3,490)	(436,864)	(262,276)	4,144	(258,132)
Fund balances brought forward at 1 January 2016	3,054,965	90,899	3,145,864	3,317,241	86,755	3,403,996
Fund balances carried forward at 31 December 2016	2,621,591	87,409	2,709,000	3,054,965	90,899	3,145,864

Consolidated and Institution Balance Sheets as at 31 December 2016

	Group		The Institution	
	2016 £	2015 £	2016 £	2015 £
Fixed assets				
Intangible assets	-	-	-	-
Tangible assets	808,512	748,250	552,728	495,031
Investments	2,060,033	2,519,980	2,060,035	2,519,982
Total fixed assets	2,868,545	3,268,230	2,612,763	3,015,013
Current assets				
Stocks of publications	17,314	68,127	17,314	68,127
Debtors	3,554,520	748,686	3,057,556	437,649
Cash at bank and in hand	335,606	713,791	275,055	388,566
Total current assets	3,907,440	1,530,604	3,349,925	894,342
Liabilities				
Creditors: Amounts falling due within one year	(4,039,985)	(1,734,970)	(3,363,417)	(1,113,276)

	Group		The Institution	
	2016 £	2015 £	2016 £	2015 £
Net current liabilities	(132,545)	(204,366)	(13,492)	(218,934)
Net assets excluding pension scheme (liability)/asset	2,736,000	3,063,864	2,599,271	2,796,079
Defined benefit pension scheme (liability)/asset	(27,000)	82,000	(27,000)	82,000
Total net assets	2,709,000	3,145,864	2,572,271	2,878,079
The funds of the charity				
Restricted Funds	87,409	90,899	87,409	90,899
Unrestricted funds				
General fund	1,426,022	1,884,015	1,289,293	1,616,230
Designated funds	1,195,569	1,170,950	1,195,569	1,170,950
Total charity funds	2,709,000	3,145,864	2,572,271	2,878,079

Members of the Board and Council

President John Field
President-Elect Peter Y Wong
Vice President Paddy Conaghan
Vice President Tadj Oreszczyn
Vice President Stephen Lisk
Hon Treasurer Stuart MacPherson
Immediate Past President Nick Mead

Elected Members of the Board

Janet Beckett
 Susan Hone-Brookes
 Lynne Jack
 Peter Kinsella
 John Packer
 David Pepper
 Andrew Saville
 Catherine Simpson
Chief Executive Officer
 Stephen Matthews

Members of the Consultative Council

All Board members are also members of Council

Past Presidents:

- George Adams
- Peter Kinsella

Elected Members:

- Peter Raynham
- Colin Ashford
- Tessa Guy

- David Cooper
- Farah Naz
- Mariana Trusson
- Geraldine O'Farrell

Co-opted Members:

- Cathie Simpson
- Wally Gilder

Patrons Representative:

- David Fitzpatrick

Society Representatives:

- Jeff Shaw (SLL)
- Steve Vaughan (SoPHE)
- Graham Dodd (SFE)
- Jane Bastow (ILEVE)

Young Engineers Network:

- Carla Bartholomew

YEN Mentor:

- Andrew Saville

WiBSE:

- Laura Dunlop

REHVA:

- Andy Ford
- David Fisk



2016 CIBSE AGM (left to right) Paddy Conaghan, Nick Mead, John Field, Tadj Oreszczyn

Fellows Network:

- Geoff Prudence

EC(UK) Board Rep:

- George Adams

BIM Group:

- Les Copeland

Standing Committee Chairs:

- *Education Training and Membership:* Laurence Aston
- *Communication Committee:* Mariana Trusson
- *Technology Committee:* Bryan Franklin
- *Prof Practices Committee:* Adrian Catchpole
- *Knowledge Management Committee:* David Hughes
- *Regional Liaison Committee:* Peter Wong

Group Representatives:

- *ASHRAE:* Tim Dwyer
- *CHP:* Phil Jones
- *Day Lighting:* John Mardaljevic
- *Electrical Services:* Tony Sung
- *Facilities Management:* Geoff Prudence
- *Heritage:* Neil Sturrock
- *Industry, Educ & Training:* Nick Mead
- *IT & Controls:* Vacant
- *Lifts:* John Bashford
- *Natural Ventilation:* Martin Liddament
- *Resilient Cities:* George Adams
- *Energy Performance:* TBA
- *Healthcare:* Richard Knight
- *Intelligent Buildings:* Derek Clements Croome
- *School Design:* Paul Eslinger
- *Building Simulation:* Hazim B. Awbi
- *Homes for the Future:* Ashley Bateson
- *Chimneys & Flues:* TBC

Regional Representatives:

- *ANZ:* Ian Small
- *North West:* Patrick Nicholls
- *East Anglia:* Jonathan Page

- *Northern Ireland:* Jonathan Grimshaw
- *East Midlands:* David Guzzetta
- *Ireland:* Brian West
- *HCNE:* James Bourne
- *Scotland:* Gerry Brannigan
- *HCNW:* Rashmi Patel
- *South Wales:* Justin Thomas:
- *HCSE:* Richard Davies
- *South West:* Joshua Eckett
- *HCSW:* David Wigley
- *Southern:* Samantha Pope
- *Hong Kong:* KY Leung
- *West Midlands:* Lionel James
- *Merseyside & North Wales:* Alfred Leung
- *Yorkshire:* Simon Owen
- *North East:* Philip Oliver
- *UAE:* Raef Hammoudeh

Trustees' responsibilities

The Trustees are responsible for preparing the Trustees' report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

The law applicable to charities in England & Wales requires the Trustees to prepare financial statements for each financial year which give a true and fair view of the state of affairs of the Institution and the Group and of the incoming resources and application of resources of the Institution and the Group for that period. In preparing these financial statements, the Trustees are required to:

- select suitable accounting policies and apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- prepare the financial statements on the going concern basis unless it is inappropriate to

presume that the Institution and the Group will continue in operation.

The Trustees are responsible for keeping adequate accounting records that are sufficient to show and explain the Institution's transactions and that disclose with reasonable accuracy at any time the financial position of the Institution and the Group and enable them to ensure that the financial statements comply with the Charities Act 2011. They are also responsible for safeguarding the assets of the Institution and the Group and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Trustees are responsible for the maintenance and integrity of the corporate and financial information included on the Institution and the Group's website. Legislation in the United Kingdom governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

Approved by the Board of Trustees and signed on its behalf by:



John Field
President
02 March 2016

The Chartered Institution of Building Services Engineers

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Email: info@cibse.org

Website: www.cibse.org

CIBSE is a registered charity: number 278104

