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Think globally, act globally (and locally)

There has never been a better time to be a building services engineer.

This is an exciting yet challenging time in our industry, dealing with the environmental uncertainties and threats from climate change within the constraints presented by economic priorities and socio-political inertia. We need to be at the top of our game if we are to make big improvements in both the design and more importantly the performance of the built environment. Then to make these improvements really significant, we need to make every effort to ensure that they are replicated around the globe.

Our Institution has made significant progress over the last twelve months, which is reflected in record levels of membership, now standing at over 21,000. Very noteworthy is the 7.5% growth in our international membership. I was honoured to have been able to visit Hong Kong in November 2013, and Qatar and the UAE in May 2014. It is extremely encouraging to see the enthusiasm and commitment of our members in the Regions, a testament to CIBSE's continuing strengthening of international relations.

This report outlines the key achievements from 2014 and also the work that has been done to ensure that the Institution continues to successfully serve its members, the industry as a whole and ultimately the public. The overhaul of CIBSE’s IT systems, including both the external website and member database, is a huge undertaking but one which is vital to the Institution’s long-term success and the delivery of quality service to its members. Building on the launch of the Knowledge Portal in 2012, these improvements have already resulted in record numbers of downloads of CIBSE publications.

2014 also saw the launch of the CIBSE Building Performance Conference and Exhibition, held in October in London. It was a hugely significant event in terms of raising the profile of the Institution but, far more importantly, also provided a platform for networking, learning and sharing of knowledge around building performance. We look forward to this year’s event, which I am sure will establish itself as a highlight in the building services calendar.

Progress this year has been substantial, and this is due in no small part to the large core of our membership that is passionate about providing better building services, better building performance and a better future for coming generations. Many are involved in voluntary roles serving on the Board, Council, or as committee members, presenters and organisers in our regions, special interest groups or societies, generously providing their time and sharing their knowledge, enthusiasm and passion. They are the bedrock of our Institution. I would also like to recognise the hard work and dedication from the CIBSE staff and our Journal team.
2014 saw our industry experiencing a steady recovery, and the signs point to a solid base for future growth. As we move through 2015, there are still many uncertainties and complexities. The aftermath of the UK general election, for instance, whatever the outcome, will result in important policy decisions concerning energy use; and the performance of buildings will play a vital role. Similarly, around the world building information modelling (BIM) has the potential to transform the construction industry, but if this is going to be effectively realised, then it will require a huge and sustained effort and improved collaboration across the supply chain.

This makes it all the more important that CIBSE is well prepared for the future, innovatively approaching challenges and not only thinking globally but also acting globally.

I hope that you find this year’s report a stimulating read and support the strategic decisions which have been made in the last year.

Peter Kinsella CEng FCIBSE, CIBSE President
A FOCUS ON STRATEGY

The Institution’s core objectives are outlined in the Strategic Plan 2011–16, which defines the core purpose of the organisation and the strategic objectives. It provides a framework for prioritising work and a focus for the Institution, to ensure that all of its activities support its core purpose and objectives.

The objectives are to:

• Develop a growth strategy for membership by broadening and deepening membership across the disciplines and roles associated with the built environment.

• Identify and generate adequate funding to provide the research to sustain and disseminate the Institution’s knowledge base.

• Develop appropriate partnerships which support the Institution’s core purpose and which recognise its dual role in both engineering and construction.

• Pursue CIBSE’s core purpose of promoting competence and knowledge, through engagement in issues including the safety of people in and around buildings, sustainability, climate change, use of natural resources and globalisation of the engineering industry.

• Continue to set appropriate standards for the art, science and engineering of the built environment and to register competence in support of regulatory frameworks.

• Deliver excellence to all CIBSE’s stakeholders by establishing effective operational mechanisms within CIBSE’s HQ and through the volunteer network.
IMPROVING BUILDING PERFORMANCE

Building services professionals make the places where we live, work, learn and relax healthy, comfortable and pleasant places to be. Building services engineering is all about delivering better building performance – it is the primary focus of all the engineering we undertake.

Building Performance Awards

‘Building performance, environment and engineering are at the heart of everything that CIBSE does. The Building Performance Awards celebrate the outstanding accomplishments and contributions that show how our industry can reach best practice.’ George Adams, CIBSE Immediate Past President.

The seventh annual Awards took place at the Grosvenor House Hotel in London on 11 February 2014. Over 640 guests celebrated achievements in engineering, both within the UK and internationally, that demonstrated actual, measured performance, not just design intent or performance specifications.

The overall winner, Carbon Champion 2014, went to Marks & Spencer and Sustainable Design Solutions for M&S’ Cheshire Oaks new build project which achieved carbon and energy reductions of 44% and 43% respectively.

Munish Datta, M&S Head of Plan A & Facilities Management said: ‘It feels brilliant and very humbling because it’s quite an accolade to win a CIBSE Award, and a great compliment for all the hard work that’s gone into not just designing and building but, more importantly, operating that store.’

Energy Savings Opportunity Scheme (ESOS)

The Government completed the arrangements for the Energy Savings Opportunity Scheme (ESOS) in June 2014. This was the culmination of 18 months of preparation by the Department of Energy and Climate Change (DECC), supported by an advisory group of which CIBSE was a key member. ESOS requires qualifying organisations to undertake assessments looking at energy use and energy efficiency opportunities across the whole business at least once every four years. These organisations will benefit from energy savings estimated at £2.2bn, which will lead to lower energy bills. Social benefits will include improved air quality, which is expected to result in savings of £320m.

CIBSE Certification successfully applied for approval of the CIBSE Low Carbon Consultants Scheme as one of the Professional Registers for ESOS Lead Assessors. In 2014 CIBSE trained around 220 consultants for this role and CIBSE Certification approved 66 for the new ESOS register. CIBSE ESOS Lead Assessors will be able to provide high quality energy savings advice to ESOS participants, seeking help to deliver improved building performance.

www.cibse.org/esos

Opposite: Harrods, London, Refurbishment Project of the Year (value over £5m)
The 2014 Building Performance Award winners were:

**Building Operation Award**
*Exchange House, Broadgate, City of London*
British Land / Broadgate Estates

**Building Services Consultancy of the Year (up to 100 employees)**
Beverley Clifton Morris

**Building Services Consultancy of the Year (over 100 employees)**
Max Fordham

**Client Energy Management Award**
British Land (portfolio)

**Client of the Year**
BBC (nominated by Arup)

**Collaborative Working Award**
*Winner: Norland and EE*
*Highly commended: Finchley Memorial Hospital, London.*
North London Estate Partnerships

**Energy Saving Product of the Year**
*XBOXER XBC Heat Recovery Range*
Nuaire

**International Project of the Year**
*Gardens by the Bay, Marina Bay, Singapore*
Atelier Ten

**New Build Project of the Year (value up to £10m)**
*Montgomery Primary School, Exeter*
HamsonJPA

**New Build Project of the Year (value over £10m)**
*Marks & Spencer, Cheshire Oaks, Ellesmere Port*
Sustainable Design Solutions / Marks & Spencer

**Refurbishment Project of the Year (value up to £5m)**
*Hollywood House, Woking*
M&G Real Estate

**Refurbishment Project of the Year (value over £5m)**
*HVAC Roof Infrastructure, Harrods, Knightsbridge, London*
Harrods

**Training for Building Performance Award**
*BREEAM Accredited Professional*
BRE Group Training

**Judges’ Special Engineering Award**
*Velodrome London 2012 Olympics*
ChapmanBDSP

**Carbon Champion**
*Marks & Spencer, Cheshire Oaks, Ellesmere Port*
Sustainable Design Solutions / Marks & Spencer

For more information visit www.cibse.org/bpa
**Building Information Modelling (BIM)**

The BIM Implementation Strategy seeks to fundamentally reform public sector procurement, with significant, far reaching impacts on the construction sector as a whole and the building services sector, including CIBSE and other industry bodies, our members and the companies that employ them in particular.

CIBSE led the inter-institutional consortium of eight professional bodies, known as C8, in a project to develop a digital Plan of Work and a national classification system to complete the free-to-access BIM Toolkit. This was funded by the Technology Strategy Board as a three-month development activity in support of the requirement for the use of Level 2 BIM across all central government procured contracts from 2016. C8 did not proceed to bid at the second stage, but the consortium is actively engaged with RIBA Enterprises in phase 2 of the project.

The CIBSE BIM Steering Group continues to provide a forum for all interested parties of the Institution and the services sector to consider the impact and implications of the BIM Strategy. The Group is continuing to lead the development of the CIBSE Product Data Templates, which offer manufacturers a single standard format for providing product data.

BIMTalk, a website focusing on BIM issues, has been established in association with BSRIA, Landscape Institute, Institution of Structural Engineers and Chartered Institute of Building. This valuable source of information is a tangible and growing demonstration of CIBSE collaborating with other bodies.

[www.cibse.org/BIM](http://www.cibse.org/BIM)

**Minimum Energy Performance Standards**

The Energy Act 2011 requires that Minimum Energy Performance Standards (MEPS) are introduced in 2016 for rented homes, and April 2018 for rented non-domestic buildings. These will limit the letting of F and G rated buildings without appropriate energy efficiency measures, based on Energy Performance Certificates (EPCs) where they exist. CIBSE was actively involved in the working group convened by DECC and the British Property Federation to develop the proposals. CIBSE identified significant concerns relating to the levels of non-compliance with the EPC requirements, which could place many non-compliant buildings outside the scope of the MEPS scheme.

The current lack of enforcement of EPCs means the policy will only apply to those organisations who comply with the EPC regulations, in many cases for reputational or corporate social responsibility reasons, and will unfairly burden them with additional costs whilst those who do not comply with the EPC regulations will not have to comply with MEPS.
Photovoltaic panels on Montgomery Primary School, Exeter – New Build Project of the Year (value up to £10m)
A key priority for CIBSE throughout the year was to raise the public profile of the Institution, in order to more effectively represent our members and to shape the debate around key issues in the building services sector.

**Building Performance Conference and Exhibition**

CIBSE held the inaugural Building Performance Conference and Exhibition on 28-29 October 2014, supported by the Association for Consultancy and Engineering, British Property Federation and UK District Energy Association. Over 300 visitors attended the two-day event at the prestigious QEII Centre in Westminster, London. The Conference attracted high profile industry experts to give presentations on the topic of ‘Leadership in Building Performance’. In all, 38 speakers across eight sessions covered: the future of power networks and supply; BIM; Soft Landings; zero carbon standards; indoor air quality; overheating; designing for future homes; and new technologies for improved building performance. Noted speakers included RIBA President Stephen Hodder and the new President of B&ES, and head of design at Crown House Technologies, Andy Sneyd.

The exhibition featured major manufacturers and suppliers from the building services sector showcasing the latest products and innovations that materially assist in improving energy efficiency to deliver, not just promise, better building performance.

A video and presentations from the event can be viewed at: www.cibse.org/conference

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**RAISING OUR PROFILE AND SHAPING THE DEBATE**

- Over 85% of delegates rated the conference topics as excellent/good
- 81% of delegates rated the quality of the conference speakers as excellent/good
- 72% of attendees discovered new ideas and suppliers at the 2014 event
- 74% of delegates rated the quality of exhibitors as excellent/good

Source: 2014 Visitor Survey
RAISING OUR PROFILE AND SHAPING THE DEBATE

Engaging with government
The Institution continues to engage with government on a range of policies affecting building services. These include:

- Building Regulations (Zero Carbon Homes, Housing Standards Review);
- Energy Performance Certificates (EPCs), Display Energy Certificates (DECs) and air conditioning inspections and emerging European Standards for the Energy Performance of Buildings Directive;
- Energy audits under the Energy Savings Opportunity Scheme (ESOS);
- Minimum Energy Performance Standards (MEPS);
- EU Ecodesign Directive, minimum standards and energy performance labelling
- Building Information Modelling (BIM).

Media relations
CIBSE has been working with PR agency The Think Tank since May 2012, to provide additional expertise in engaging with the media and clarifying key messaging and priorities. This bore fruit in the increasingly wide range of media coverage which the Institution received in trade media (such as Building, Building Design and Architect’s Journal) as well as the national press (including The Financial Times and The Guardian).

www.cibse.org/news

A panel discussion at the Leadership in Building Performance Conference and Exhibition
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.

Publications
The creation and dissemination of engineering knowledge via production of publications and growth of the online Knowledge Portal (KP) resource is testament to the importance of knowledge sharing for CIBSE. The Institution published a wide range of guidance in 2014 with a total of 12 new titles:

- AM15: Biomass heating
- Buildings in extreme environments: Arid
- Design Summer Years for London: weather data set
- Guide G: Public health engineering
- Guide M: Maintenance engineering and management
- Probabilistic climate profiles (ProCliPS)
- SLL LG8: Lighting for museums and art galleries
- SLL LG10: Daylight and window design
- SLL LG13: Guide to lighting of places of worship
- TM49: Design Summer Years for London
- TM55: Design for future climate: case studies
- TM56: Resource efficiency of building services

Knowledge Portal
The KP is now in its third year of operation. This valuable online reference tool allows instant access to over 350 free titles and unlimited CIBSE member downloads of the full portfolio of CIBSE guidance and best practice including:

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

Since its launch in November 2011, CIBSE members have downloaded nearly 200,000 documents from the KP, with visitors coming from 198 countries (34% of visitors are from outside of the UK).

The KP was successfully integrated into the new CIBSE website in April 2014. This has unified access to all CIBSE information and improved search functionality, cross-linking
Sharing Engineering Knowledge

of knowledge to training and events and enhanced the
user experience. New features include the ability to publicly
comment on publications, a ratings system for publications,
and the option to share comments through social media.

Since the new website was launched, there have been over
80,000 downloads of publications. The most frequently
downloaded titles were:

- Guide B: Heating, ventilating, air conditioning and
  refrigeration
- Guide G: Public health and plumbing engineering
- Guide A: Environmental design
- Guide C: Reference data
- Guide F: Energy efficiency in buildings
- AM10: Natural ventilation in non-domestic buildings
- Guide M: Maintenance engineering and management

www.cibse.org/knowledge

CIBSE Journal

The Journal has continued to perform well in 2014, cementing
its reputation as the industry’s leading magazine.

The Journal has continued to support the Building
Performance Awards and showcased the 2014 winners,
promoted the new Building Performance Conference and
Exhibition, and included much coverage of other CIBSE
events and activities.

Downloads of
publications from the
relaunched Knowledge
Portal, 2014
It once again produced a Careers supplement, placing a spotlight on the industry and aiming to encourage building services engineering as an exciting career choice. The supplement was distributed to 4,000 schools, colleges and universities across the UK.

The Journal also published a further six supplements focusing on: BIM, hotels and leisure, two product supplements, schools, and a resource efficiency supplement produced as a joint initiative with WRAP.

The Journal App has allowed for a more interactive experience for online readers of the Journal, allowing for additional content and video to be added to features and articles. By the end of 2014 it had been downloaded 2,500 times, and the optimised digital edition had been sponsored for the first time. An Amazon and Android version of the optimised edition launched with the November edition.

The App is available as a free download in Apple, Amazon and Google stores.

The Journal hosted three webinars across the year exploring the themes of: specifying packaged booster sets within commercial buildings; future proofing HVAC design to deliver excellence in lifetime operation; intelligent design, and control – getting the best pump systems. The last of these had more than 900 registrants – well above the industry average rate. Feedback from both attendees and the sponsor was very positive.

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www.cibsejournal.com

Technical journals

CIBSE’s two technical Journals: Building Services Engineering Research and Technology Journal (BSER&T), and Lighting, Research & Technology Journal (LR&T) continue to go from strength to strength under the recently renewed contract with SAGE. Both Journals are now published six times a year, and the total pagination of each has doubled in the past three years, responding to demand from those submitting papers. CIBSE members continue to benefit from online access to the Journals as part of their membership package.

Two prizes for technical papers published in BSER&T are awarded annually. The Napier Shaw Bronze medal is awarded for the most highly-rated paper relating to research. In 2014 it was awarded for the paper on “Evaluation of the thermal performance of an innovative prefabricated natural plant fibre building system”, to Andy Shea, Katherine Wall and Pete Walker of Bath University.
SHARING ENGINEERING KNOWLEDGE

The Carter Bronze medal is awarded for the most highly rated paper relating to application and development. The 2014 recipient was on “Future-proofed energy design for dwellings: Case studies from England and application to the Code for Sustainable Homes” by M.C. Georgiadou, T. Hacking and P. Guthrie of Cambridge University.

www.cibse.org/technicaljournals

Training and CPD

CIBSE Training continues to run numerous conferences, continuing professional development (CPD) courses, online learning modules and training for energy assessors. CIBSE Mid Career College (MCC) ran 250 CPD training courses in 2014, covering topics such as building regulations, energy efficiency, electrical services, lighting, mechanical services, fire safety, project management and building. In total, MCC has trained approximately 1,200 delegates nationally through both the public classroom and in-house formats.

In 2014 CIBSE Training was also one of the first to deliver Energy Savings Opportunity Scheme (ESOS) training courses, with over 200 delegates completing the course.

www.cibse.org/training

Technical Symposium

The fourth Technical Symposium took place on 3-4 April 2014 in Dublin and had over 130 registered participants. Addressing the global issue of system and plant performance with the theme: ‘Moving to a new world of building systems performance’, the joint CIBSE and ASHRAE symposium gave a platform to best practice and research from around the world.

The symposium comprised over 50 speakers delivering presentations reviewed by an expert panel of 60 and covered numerous topics such as:

- Building to meet the needs of future cities
- Economic and environmental target-setting for innovative building products and systems
- A review of energy benchmarks in the Northern Ireland public estate
- London’s Zero Carbon energy resource: Secondary heat
- The urban truth of delivering sustainable cities
- Use of augmented and virtual reality to improve delivery of building services systems.

Cyclone Energy Group won the award for Most Significant Contribution prize with Benjamin Skelton’s paper “It’s not easy being green”, while Teambuild was awarded the prize for Most Effective Delivery for Richard Rooley and Alex MacLaren’s paper “Training for collaboration, human failures and success in a technical industry.”

Papers and case studies from the event can be found the CIBSE website.

www.cibse.org/symposium

Opposite: Hollywood House, Woking, which won M&G Real Estate the Building Performance Award for Refurbishment Project of the Year (value up to £5m)
GROWING OUR ONLINE PRESENCE

With technology changing at an unprecedented rate and the growing pressures of a 24/7 online world, CIBSE is midway through a three-year IT improvement programme to deliver better value to members and other stakeholders through its digital resources.

**CIBSE website**

The first deliverable in the IT improvement programme was the launch of a new CIBSE website in March 2014. The site now features a modern new design, improved search functionality and user navigation and optimisation for mobile and smart devices. The vision for the new site was for it to become the first port of call for building services engineering information, providing unrivalled advice and support to members, their clients, those working in the built environment and the public.

New features included the new integrated version of the KP and much of the previously separate Training and Events website. It also includes the ability to rate and comment on articles, and knowledge items such as publications, guides and case studies, and to share them via social media. In the first nine months of the new site there were nearly 1.5 million page views from over 200,000 unique users. Over 2014 there were visits from 193 countries outside the UK, which accounted for 34% of web sessions.

The launch of the new website is the first deliverable in a three-year IT improvement programme aiming to deliver better value to members and other stakeholders through CIBSE’s online resources. 2014 saw work start on the next stage of the programme which is implementation of a new Customer Relationship Management (CRM) system. When integrated with the website (in 2015), this will allow a much enhanced user experience for those using the CIBSE website, including greater personalisation and an improved MyCIBSE area featuring improved tools for members to service their membership.

**Social media**

*Twitter:* @CIBSE has attracted over 2,000 new followers in 2014 bringing the total to over 13,700. The communication tool provides an important opportunity for engagement with individuals and companies, and over 1,000 tweets and retweets were sent over the year. Other active Twitter accounts covering specific areas of CIBSE activity include @CIBSEAwards and @CIBSEJobs, as well as a range of Groups, Regions and Networks.

*www.twitter.com/cibse*

*YouTube:* CIBSE launched its YouTube channel in 2014. The channel showcases video highlights from events including the Building Performance Awards, the Young Engineers’ Awards, and the launch of Guide M. It has also provided a platform for sharing interviews and lectures from the Building Performance and the Home Counties Conferences.

*www.cibse.org/youtube*
LinkedIn: LinkedIn continues to provide members with a forum in which to post questions as well as debate and discuss relevant industry developments. With over 17,000 group members, up 40% from last year, CIBSE’s LinkedIn group is a rapidly growing online industry community.

www.cibse.org/linkedin

Blog: The CIBSE blog continued to be a popular read for members in 2014. It shares research findings and offers perspective through interviews and guest posts from industry experts.

Guest blog highlights included:

• Munish Datta – Head of Facilities Management and Plan A, Marks & Spencer (What it means to win a CIBSE Building Performance Award, 22 August 2014)

• GEA Consulting – CIBSE Low Carbon Consultants and Low Carbon Energy Assessors (Educating on energy efficiency, 31 July 2014)

• Geoff Prudence – Chair of the CIBSE Facilities Management Group (Facilities managers at the heart of improved building performance, 5 September 2014)

www.cibseblog.co.uk
STRENGTHENING THE FUTURE OF THE INDUSTRY

The engineering industry plays a vital role in the regrowth of Britain’s economy, yet there is a real skills shortage. A key part of CIBSE’s activity is to encourage young people into the industry and support the career development of those already working in building services. By promoting a diversity agenda we also tap into underexploited new pools of talent and work to make our industry a more effective and fulfilling environment to work in.

Young Engineers’ Awards (YEA)

The YEA 2014 brought together the CIBSE ASHRAE Graduate of the Year award and the Employer of the Year award. The awards highlighted the talent available to engineering employers, while also demonstrating the importance of providing young engineers with opportunities to advance their careers. The Awards were held at the Institution of Mechanical Engineers in London on 9 October 2014.

CIBSE ASHRAE Graduate of the Year 2014

Winner: Emilia Targonska, graduate building services engineer with Hoare Lea

The Graduate of the Year was chosen from eight shortlisted candidates, each of whom made a four-minute presentation on the topic: “How is technology transforming the way we, as engineers, work” to an audience of over 160 people and a distinguished judging panel that included the presidents of CIBSE, ASHRAE and the IMechE and last year’s Graduate of the Year William Holley.

CIBSE Employer of the Year 2014

Winner: Kaizenge Design

Kaizenge Design was named as overall CIBSE Employer of the Year for its outstanding record of investment in the education and progression of young engineers.

The category winners were: Kaizenge Design (small firm), Max Fordham (medium firm) and NG Bailey (large firm).

The IMechE Construction and Building Services Division special achievement award was also presented at the event, which went to Professor Cath Noakes of the University of Leeds.

As part of the event, ASHRAE President Tom Phoenix gave his 2014-15 ASHRAE Presidential address: “People, passion and performance.”

View the video highlights at www.cibse.org/youtube

Finalists in the CIBSE ASHRAE Graduate of the Year, with winner Emilia Targonska in the back row, first from left
President’s prize – The Undergraduate Award

Winner: Oliver Pengelly

The President’s prize – The Undergraduate 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, selects the winner based on evidence of excellent understanding and knowledge in building services engineering, science and design, as well as originality and high-quality visual information.

Oliver studied for a BSc (Hons) in Building Services Engineering at Leeds Metropolitan University, and won the prize for his final year project entitled “Improving maximum demand methodologies using benchmarking, an integrated building system approach and Building Information Modelling”.

Runners up: Alex Hall, Coventry University; Jiayi Qiu, University of Nottingham

The Happold Brilliant Award

Winner: London South Bank University

Each year CIBSE presents the Happold Brilliant Award to the University department judged to offer the best balanced accredited course in the discipline of building services engineering.

Ken Dale Travel Bursary

Winner: Kit Stormont – graduate mechanical engineer, Buro Happold

The Ken Dale Travel Bursary has been established by CIBSE to commemorate Ken Dale’s contribution to the Institution and the building services profession. The Ken Dale Travel Bursary makes awards available of between £1,500 and £4,000 to CIBSE members in the developmental stage of their career who wish to spend three to four weeks outside their own country researching aspects connected to their field of work and which will benefit CIBSE, their employer, their clients and the profession.

Kit is of British origin but is located in Dubai and was our first non-UK/Ireland winner of the award. Kit travelled to Mexico, Australia, Malaysia and Canada to investigate the potential for natural ventilation in tropical climates, measuring its success in commercial high rise towers compared to residential buildings.
Other awards

Each year CIBSE celebrates those who have made an outstanding contribution to the building services industry and to the Institution over their career.

2014 Honorary Fellowships:
- Dr Eur Ing Gina Barney CEng
- Derrick Braham CEng FCIBSE
- John Stephen Wynn

2014 gold medals:
- Vincent Tse FCIBSE

For a full list of 2014 Award winners visit the CIBSE website.
www.cibse.org/awards

Young Engineers’ Network (YEN)

The YEN is growing rapidly with membership increasing significantly, partly due to automatic registration of younger CIBSE members. There have been several meetings of YEN Centre Chairs and Vice-Chairs, including one in April, in Dublin and one in October in Bristol prior to the YEN Ball. By December 2014 YEN had 9,300 members.

Women in Building Services Engineering (WiBSE)

In 2014 WiBSE organised 44 regional networking and personal development workshops across 11 UK locations. This included the Peer-2-Peer (women only) mentoring programme, confidence-building programme (for men and women), a women in leadership programme and role model events. The network co-endorsed the Women of Achievement Awards Built Environment category, alongside the Royal Institute of British Architects (RIBA) and Women in the City (WIC).
CIBSE offers a range of products and services to its members to support them in delivering excellence in the built environment.

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:

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

CIBSE membership continued to grow during 2014, with a total of 2,274 new members and a large number wanting to gain registration with the Engineering Council.

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. During 2014, SLL membership grew to 2,733. The Society also organised a range of events, including the popular Trotter Patterson Lecture, during which renowned neurobiologist Professor Colin Blakemore delivered his lecture: “Vision impossible”.

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. There are currently 309 SoPHE members.
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. Membership continues to grow and now stands at 543, with a strong international contingent that comprises over 40% of the total.

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. ILEVE is progressing in its formation and has now graded 58 members (in addition to its 122 affiliate members).
‘Down the drains’ event organised by the Home Counties North West Region
**Regions**

The Institution is organised on a regional basis – there are 16 regions in the UK and three overseas: in Ireland; Australia and New Zealand; and Hong Kong with CIBSE members in 94 countries outside the UK.

There are also Country Representatives in Canada, China (Shanghai and Chongqing), Qatar, Singapore, Sri Lanka and United Arab Emirates.

The CIBSE regions in the UK and around the world continued to play a major role in the Institution during 2014, delivering a programme of technical and social events for both CIBSE members and non-members alike.

**Specialist 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. Participation in the groups has continued to grow, with 38,000 individuals now signed up to one or more of the various groups (up from 34,000 in 2013). 2014 saw the formation of the Sustainable and Adaptable Cities Group.

- CIBSE ASHRAE
- Building simulation
- CHP and district heating
- Chimneys and flues
- Daylight
- Electrical services
- Energy performance
- Facilities management
- Healthcare
- Heritage
- Homes for the future
- Industry, education and training
- Intelligent buildings
- IT and controls
- Lifts
- Natural ventilation
- School design
- Sustainable and adaptable cities

The Societies, Regions and Specialist Interest Groups provide a mechanism for like-minded members to come together, in person or, increasingly, using digital channels, to share knowledge and information and contribute to the development of CIBSE knowledge.

[www.cibse.org/networks](http://www.cibse.org/networks)
Number of members in CIBSE special interest groups

- CIBSE ASHRAE: 14,352 (+676)
- Building simulation: 8,685 (+1,245)
- Chimneys and flues: 891 (+551)
- CHP and district heating: 15,058 (+559)
- Daylight: 11,670 (+601)
- Electrical services: 13,978 (+629)
- Energy performance: 17,200 (+1,527)
- Facilities management: 8,629 (+932)
- Healthcare: 7,486 (+416)
- Heritage: 3,744 (+294)
- Homes for the future: 5,090 (+1,204)
- Industry, education and training: 7,822 (+402)
- IT and controls: 8,768 (+339)
- Intelligent buildings: 10,678 (+1,185)
- Lifts: 6,274 (+184)
- Natural ventilation: 10,241 (+973)
- School design: 7,684 (+656)
- Sustainable and adaptable cities: Newly formed
CIBSE is an international Institution, with members based all over the world. As the pace of globalisation increases and our members increasingly travel far and wide for their work, it is more vital than ever that CIBSE is competitive in the global market.

Membership growth in 2014 has been higher overseas than in the UK, with international membership growing by 7.5% in the last year to reach a total of 6,227.

**International relations**

2014 saw a great deal of active collaboration between CIBSE and its overseas counterparts, resulting in strengthened relationships and plans for future development in these regions.

CIBSE President, Peter Kinsella and Carilyn Clements, Director of Membership, visited Qatar and the UAE in May 2014. They met with the regional committee, visited universities, including Heriot Watt University’s Dubai campus and the British University and held a dinner for local members and companies. Current activities include formalising the committee in the UAE and developing the area into a formal region, as this is a key growth area for CIBSE.

The Annual visit to Hong Kong Branch by the President Elect, Nick Mead and CEO, Stephen Matthews, took place in November 2014. The schedule included visits to several universities and a one-day symposium, arranged in conjunction with the Hong Kong Institution of Engineers (HKIE), as well as meetings with the branch office and with HKIE. The visit was a great success, reinforcing the excellent relations between Hong Kong Region and Head Office.
### EXPANDING INTERNATIONALLY

#### Number of members in CIBSE regions

<table>
<thead>
<tr>
<th>Region</th>
<th>Members</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia/New Zealand</td>
<td>736</td>
<td>+1</td>
</tr>
<tr>
<td>East Anglia</td>
<td>473</td>
<td>+2</td>
</tr>
<tr>
<td>East Midlands</td>
<td>819</td>
<td>-55</td>
</tr>
<tr>
<td>Home Counties NE</td>
<td>1,412</td>
<td>-120</td>
</tr>
<tr>
<td>Home Counties NW</td>
<td>2,169</td>
<td>-13</td>
</tr>
<tr>
<td>Home Counties SE</td>
<td>1,429</td>
<td>+20</td>
</tr>
<tr>
<td>Home Counties SW</td>
<td>1,055</td>
<td>-36</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>2,793</td>
<td>+98</td>
</tr>
<tr>
<td>Merseyside and North Wales</td>
<td>531</td>
<td>-21</td>
</tr>
<tr>
<td>North East</td>
<td>540</td>
<td>+3</td>
</tr>
<tr>
<td>North West</td>
<td>933</td>
<td>-25</td>
</tr>
<tr>
<td>Northern Ireland</td>
<td>360</td>
<td>-9</td>
</tr>
<tr>
<td>Other</td>
<td>1,932</td>
<td>+313</td>
</tr>
<tr>
<td>Republic of Ireland</td>
<td>732</td>
<td>+43</td>
</tr>
<tr>
<td>Scotland</td>
<td>1,049</td>
<td>+30</td>
</tr>
<tr>
<td>South Wales</td>
<td>390</td>
<td>-14</td>
</tr>
<tr>
<td>South West</td>
<td>1,084</td>
<td>-55</td>
</tr>
<tr>
<td>Southern</td>
<td>826</td>
<td>+33</td>
</tr>
<tr>
<td>West Midland</td>
<td>1,059</td>
<td>-45</td>
</tr>
<tr>
<td>Yorkshire</td>
<td>907</td>
<td>-5</td>
</tr>
</tbody>
</table>
CIBSE International Project of the Year:
Gardens by the Bay, Marina Bay, Singapore
### Summarised Consolidated Statement of Financial Activities

<table>
<thead>
<tr>
<th></th>
<th>2014 (£'000)</th>
<th>2013 (£'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INCOMING RESOURCES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Voluntary income</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legacies</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Trading subsidiary companies</strong></td>
<td>2,905</td>
<td>2,712</td>
</tr>
<tr>
<td><strong>Investment income</strong></td>
<td>105</td>
<td>108</td>
</tr>
<tr>
<td><strong>Members’ subscriptions</strong></td>
<td>2,786</td>
<td>2,658</td>
</tr>
<tr>
<td><strong>Fees receivable for charitable services</strong></td>
<td>631</td>
<td>599</td>
</tr>
<tr>
<td><strong>Total incoming resources</strong></td>
<td>6,427</td>
<td>6,077</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>2014 (£'000)</th>
<th>2013 (£'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RESOURCES EXPENDED</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cost of generating funds</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trading Subsidiary Companies</td>
<td>2,910</td>
<td>2,692</td>
</tr>
<tr>
<td><strong>Charitable activities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Membership</td>
<td>1,270</td>
<td>1,231</td>
</tr>
<tr>
<td>Publications</td>
<td>343</td>
<td>355</td>
</tr>
<tr>
<td>Technical</td>
<td>496</td>
<td>474</td>
</tr>
<tr>
<td>Regional and special interest groups</td>
<td>906</td>
<td>797</td>
</tr>
<tr>
<td>Research</td>
<td>224</td>
<td>197</td>
</tr>
<tr>
<td>IT infrastructure investment</td>
<td>91</td>
<td>199</td>
</tr>
<tr>
<td><strong>Governance costs</strong></td>
<td>138</td>
<td>131</td>
</tr>
<tr>
<td><strong>Total resources expended</strong></td>
<td>6,378</td>
<td>6,076</td>
</tr>
<tr>
<td><strong>Net incoming resources</strong></td>
<td>49</td>
<td>1</td>
</tr>
<tr>
<td><strong>(Loss)/gain on investments and pension scheme</strong></td>
<td>(133)</td>
<td>446</td>
</tr>
<tr>
<td><strong>Net movement in funds</strong></td>
<td>(84)</td>
<td>447</td>
</tr>
<tr>
<td><strong>Fund balance brought forward</strong></td>
<td>3,502</td>
<td>3,055</td>
</tr>
<tr>
<td><strong>Fund balance carried forward</strong></td>
<td>3,418</td>
<td>3,502</td>
</tr>
</tbody>
</table>
### Summarised Consolidated Balance Sheet

<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fixed assets:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property and equipment and goodwill</td>
<td>684</td>
<td>487</td>
</tr>
<tr>
<td>Investments</td>
<td>2,489</td>
<td>2,375</td>
</tr>
<tr>
<td><strong>Total fixed assets</strong></td>
<td>3,173</td>
<td>2,862</td>
</tr>
<tr>
<td><strong>Current assets:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stocks of publications</td>
<td>66</td>
<td>79</td>
</tr>
<tr>
<td>Debtors</td>
<td>744</td>
<td>599</td>
</tr>
<tr>
<td>Short term deposits and cash balances</td>
<td>881</td>
<td>1,224</td>
</tr>
<tr>
<td><strong>Total current assets</strong></td>
<td>1,691</td>
<td>1,902</td>
</tr>
<tr>
<td><strong>Net current assets</strong></td>
<td>75</td>
<td>456</td>
</tr>
<tr>
<td><strong>Net assets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excluding pension scheme liability</td>
<td>3,248</td>
<td>3,318</td>
</tr>
<tr>
<td>Defined pension scheme asset/(liability)</td>
<td>170</td>
<td>184</td>
</tr>
<tr>
<td><strong>Net assets</strong></td>
<td>3,418</td>
<td>3,502</td>
</tr>
<tr>
<td><strong>Total funds</strong></td>
<td>3,418</td>
<td>3,502</td>
</tr>
</tbody>
</table>

### Trustees’ statement

The summarised financial statements have been agreed by our auditors, Chantrey Vellacott DFK LLP, as being consistent with the full financial statements for the year ended 31 December 2014. These were prepared in accordance with the Statement of Recommended Practice “Accounting and Reporting by Charities” 2005 and received an unqualified audit opinion.

These summarised financial statements are not the full statutory financial statements and therefore may not contain sufficient information to enable a full understanding of the financial affairs of the Chartered Institution of Building Services Engineers (CIBSE).

For further information, the full Trustees’ Annual Report and Accounts, and the Independent Auditor’s report should be consulted. Copies of these can be obtained from CIBSE’s registered office at 222 Balham High Road, London, SW12 9BS. The full financial statements were approved by the Board of Trustees on 26 March 2015 and will be submitted to the Charity Commission.
Financial review

The Institution’s Annual Accounts are presented to meet all applicable accounting standards including the Statement of Recommended Practice - Accounting and Reporting by Charities (SORP 2005). Investments are shown at market value and the Annual Accounts incorporate the assets, liabilities, income and expenditure of the Regions.

In 2014 total incoming resources increased by £0.3m from £6.1m to £6.4m largely due to a £0.12m increase in membership subscription income and an increase in trading subsidiary income of £0.2m. Resources expended increased by £0.3m from £6.1m to £6.4m due to a compensating set of increases and decreases across the charitable services and an increase in trading subsidiary expenditure of £0.2m.

There was an increase in net incoming resources from £1k in 2013 to £49k in 2014. This increase is largely attributable to the increase in incoming resources mentioned above.

Continued volatile financial market conditions resulted in unrealised gains on investment assets of £114k in 2014 compared to a gain in 2013 of £253k.

There was an actuarial loss on the defined benefit pension scheme of £248k in 2014 compared to a gain of £194k in 2013.

These movements resulted in a net decrease in funds of £85k from £3,502k in 2013 to £3,418k in 2014 which is carried forward at the year end. This decrease is attributable to a surplus of incoming resources of £49k and unrealised gains on investment assets of £114k offset by the actuarial loss on the defined benefit pension scheme of £248k.

The cash balance decreased from £1,224k in 2013 to £881k in 2014 again as a result of purchases of software fixed assets of £269k.

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.

At the year end the Institution held free reserves of £1.5m, 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.
Independent Auditor’s statement to the members of the Chartered Institution of Building Services Engineers (CIBSE)

We have examined the summarised financial statements for the year ended 31 December 2014 as set out on pages 32-33.

Respective responsibilities of the trustees and the auditor

The trustees are responsible for the preparing the summarised financial statements and annual report in accordance with applicable United Kingdom law and the recommendations of the charities SORP.

Our responsibility is to report to you our opinion on the consistency of the summarised financial statements within the summarised annual report with the full annual financial statements and the Trustees’ Annual Report.

We also read the other information contained in the summarised annual report and consider the implications for our report if we become aware of any apparent misstatements or material inconsistencies with the summarised financial statements.

We conducted our work in accordance with Bulletin 2008/3 issued by the Auditing Practices Board.

Opinion

In our opinion the summarised financial statements are consistent with the full annual financial statements and the Trustees’ Annual Report of The Chartered Institution of Building Services Engineers (CIBSE) for the year ended 31 December 2014.

Chantrey Vellacott DFK LLP
Chartered Accountants
Statutory Auditor
Date: 31 March 2015
MEMBERS OF THE BOARD AND COUNCIL

As at 31 December 2014

Members of the Board

President: Peter Kinsella

President Elect: Nick Mead

Vice President: John Field

Vice President: Tadj Oreszczyn

Vice President: Catherine Simpson

Hon Treasurer: Stuart MacPherson

Immediate Past President: George Adams

Elected members:
• Stephen Lisk
• Geraldine O’Farrell
• Gay Lawrence Race
• David Pepper
• Andrew Saville
• Graham Manly OBE (co-opted)

Members of the Consultative Council

All Board members are also members of Council

Past Presidents:
• David Fisk
• Andy Ford

Elected members:
• Colin Ashford
• Peter Sutcliffe
• David Palmer
• Peter Raynham
• Derek Mowlds
• David Cooper
• Farah Naz

Co-opted members:
• Mariana Trusson
• Peter Wong

Patrons representative:
• David Fitzpatrick
MEMBERS OF THE BOARD AND COUNCIL

Society representatives:

- **Society of Light and Lighting**: John Aston
- **Society of Public Health Engineers**: Chris Northey
- **Society of Façade Engineers**: Graham Dodd
- **Institute of Local Exhaust Ventilation Engineers**: Wally Gilder

Young Engineers’ Network (YEN): Carla Bartholomew

YEN mentor: Andrew Saville

*Women in Building Services Engineering*: Sarah Davis

*Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA)*: Andy Ford/David Fisk

EC(UK) Board representative: David Hughes

*BIM Steering Group*: Paddy Conaghan

Standing Committee chairs:

- **Education Training and Membership**: Laurence Aston
- **Communications Committee**: Tim Dwyer
- **Technology Committee**: Bryan Franklin
- **Professional Practices Committee**: Adrian Catchpole
- **Knowledge Management Committee**: David Hughes
- **Regional Liaison Committee**: John Armstrong

Group representatives:

- **CIBSE ASHRAE**: Tim Dwyer
- **Building simulation**: Hazim B. Awbi
- **Chimneys and flues**: TBC
- **CHP and district heating**: Phil Jones
- **Day lighting**: John Mardaljevic
- **Electrical services**: Tony Sung
- **Energy performance**: Phil Jones
- **Facilities management**: Geoff Prudence
- **Healthcare**: Richard Knight
- **Heritage**: Neil Sturrock
- **Homes for the future**: Ashley Bateson
- **Industry, education and training**: Nick Mead
- **Intelligent buildings**: Derek Clements-Croome
- **IT and controls**: TBC
- **Lifts**: John Bashford
- **Natural ventilation**: Martin Liddament
- **School design**: John Palmer
- **Sustainable and adaptable cities**: George Adams
MEMBERS OF THE BOARD AND COUNCIL

Regional representatives:

- **Australia and New Zealand**: Ian Small
- **Ireland**: Sean Dowd
- **East Anglia**: Kirk Schartau
- **East Midlands**: Adam Keightley
- **Home Counties North East**: Robert Diamond
- **Home Counties North West**: Chris Jones
- **Home Counties South East**: Richard Davies
- **Home Counties South West**: Dave Wigley
- **Hong Kong**: P.L. Yuen
- **Merseyside and North Wales**: Derek King
- **North East**: Gerard Hosford
- **North West**: Robert Ferry
- **Northern Ireland**: John Davidson
- **Scotland**: Michael Gribben
- **South Wales**: Paul Manley
- **South West**: James Outram
- **Southern**: Steve Hall
- **West Midlands**: Eric Roberts
- **Yorkshire**: Mark Connor
The Chartered Institution of Building Services Engineers

222 Balham High Road, London SW12 9BS

General Enquiries: +44 (0)20 8675 5211

Email: info@cibse.org

Website: www.cibse.org

CIBSE is a registered charity: number 278104