## CONTENTS

<table>
<thead>
<tr>
<th>Page</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>President’s message</td>
</tr>
<tr>
<td>05</td>
<td>A focus on strategy</td>
</tr>
<tr>
<td>06</td>
<td>Improving building performance</td>
</tr>
<tr>
<td>08</td>
<td>Raising our profile and shaping the debate</td>
</tr>
<tr>
<td>10</td>
<td>Creating engineering knowledge</td>
</tr>
<tr>
<td>14</td>
<td>Strengthening the future of the industry</td>
</tr>
<tr>
<td>17</td>
<td>Adding value for members</td>
</tr>
<tr>
<td>19</td>
<td>Expanding internationally</td>
</tr>
<tr>
<td>20</td>
<td>Financial Statements and Summary</td>
</tr>
<tr>
<td>23</td>
<td>Members of the Board and Council</td>
</tr>
</tbody>
</table>
PRESIDENT’S MESSAGE

David Fisk, President.

‘It was the best of times, it was the worst of times’ as Charles Dickens might have said. For those in the building services industry who helped complete the London Olympics Project, 2012 was surely the best of times. An extraordinarily challenging project completed triumphantly in front of the eyes of the world. For the winners of the 2012 CIBSE Building Performance Awards, a smaller scale triumph, but a triumph nevertheless. Buildings that work well deserve celebration. As do anniversaries. Our Australia and New Zealand (ANZ) region celebrated its 25th with many of its original founders and an ever increasing membership.

For others it has been a year of very difficult trading across the world with political uncertainty and civil unrest often making already fragile markets ever more challenging. As Alastair Buchanan, Chief Executive of Ofgem, noted in his CIBSE Annual Lecture, geopolitics not only affects where we trade but also the security of the energy we use to bring our buildings to life. It has been a disappointing year too for those who had hoped that the early momentum to abate the growth of greenhouse gas emissions might be carried forward at the international meeting at Doha. The consequence of the ambiguous outcome has been considerable uncertainty as to the intentions of Governments. That has been all the more worrying because in 2012 the world’s buildings have had to shelter their occupants from some extraordinary weather, from extreme heat to prolonged cold, floods and droughts. Nature, feeling neglected, has begun to challenge the very principles on which we design the well-tempered environment.

But it has also been another exceptional year for technology. LED lighting technology has continued its significant progress. Information technology is changing how we monitor and manage buildings. And of course there is Building Information Modelling that promises to change the way we work, bringing IT based methods already deployed on the largest construction sites to medium scale projects. As a new construction process discipline it is especially important to building services engineers tasked with squeezing pipes, ducts and wires into the designs of other building professionals without breaking the laws of physics!

In my Presidential address I called for a return to normal engineering and a steer away from ineffective and costly green wash. I was gratified by the response I received. But the real response has been the explosive growth of the CIBSE Knowledge Portal, now totalling 140,000 visits since its launch and used by engineers in over 130 countries.

In a world deluged with information, systematic engineering knowledge is clearly at a premium. CIBSE’s primary purpose, to create better building environments for all, has led us to be an active player in all these arenas in both the UK and abroad. The following sections record the progress we have made. Despite difficult times, that progress has been substantial, with CIBSE and its members playing a significant role. I am sure I speak on behalf of all the Members in congratulating CIBSE staff and volunteers on what they have achieved.

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

**Our objectives are to:**

- Develop a growth strategy for Membership by broadening and deepening our membership across the disciplines and roles associated with the built environment.
- Identify and generate adequate funding to provide the research to sustain and disseminate our knowledge base.
- Develop appropriate partnerships which support our core purpose and which recognise our 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 art, science and engineering of the built environment and to register competence in support of regulatory frameworks.
- Deliver excellence to all our stakeholders by establishing effective operational mechanisms within CIBSE’s HQ and through the volunteer network.

Aerogel Solar Collector, Winner of Passive (energy related) Product of the Year at the CIBSE Building Performance Awards.
1. IMPROVING BUILDING PERFORMANCE

Building services exist to make the places where we live, work, learn and shop 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

The CIBSE Building Performance Awards took place at the Grosvenor House Hotel in February 2012. The Awards focus on actual, measured performance, not design intent or performance specifications – so they reward the exemplar products and projects which have been proved to deliver top performance through engineering excellence.

Much praise was given to the winning projects by the judges, who were impressed by the standard of submissions. The overall winner at the Awards – Carbon Champion of the Year – was the University of Bradford, who also won the Client of the Year Award for its sustainable building programme. The judges noted that “the University has a comprehensive programme which has not only reversed the previous trend of rising energy use and emissions, but reduced them by 8% since the start of the programme in 2005. The length of the programme and the commitment of the University to deliver improved building performance marked them out as the 2012 CIBSE Carbon Champion of the Year.”

The complete list of winners and further information about the Awards can be found at www.cibseawards.org

Building energy labelling

Building energy labels, or energy certificates as they are known in the UK, are becoming an increasingly popular way of measuring energy performance of buildings and using that information to motivate change in the buildings and even in the wider property market. First developed in Australia, then introduced under the EU Energy Performance of Buildings Directive in 2007, they have spread around the world, with mandatory schemes now in place in New York, in some Gulf states and in Australia. CIBSE is at the heart of the energy benchmarking efforts which support labelling in the UK, and is working closely with colleagues in ASHRAE as they develop their labelling system. Through CIBSE Certification, we are also at the forefront of energy certification under the EPBD and also for the Green Deal.

The Beach Volleyball venue for the London 2012 Olympic Games. Atkins Ltd won the Collaborative Working Award at the CIBSE Building Performance Awards for their work at the Games.
Building Information Modelling

While the Green Deal and Building Regulations make headlines, it is increasingly clear that the Building Information Modelling Implementation Strategy seeks to deliver fundamental reform of public sector property and construction procurement. This initiative will have significant and far reaching impacts on the construction sector as a whole and the building services sector, the Institution, its members and their employers in particular.

CIBSE is actively engaged in the work of the BIM Task Group, based in the Department for Business, Innovation and Skills, and the Government Soft Landings initiative. This work is looking at creating a proper mechanism for managing building operation and performance beyond the design and construction phases. In addition lessons learned in operating the government estate can offer positive feedback for the design of future public buildings. This initiative draws heavily on the work of the PROBE studies (Post Occupancy Review of Building Engineering) which were widely publicised in the Institution’s Journal a decade or more ago.

The CIBSE BIM Steering Group provides a forum for all interested parties in the services sector to consider the impact and implications of the BIM Strategy and the work of the BIM Task Force on the Institution. A BIM webpage has been created to transfer our knowledge in this area to a wider audience, and to signpost members to other reliable information sources.

The Hive, Worcester. New Build Project of the Year (value above £5 million) at the Building Performance Awards for Max Fordham.
A key priority for CIBSE throughout 2012 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.

Media relations

CIBSE engaged a public relations agency in May 2012 to provide additional expertise in engaging with the media and clarifying key messaging and priorities. This bore fruit in the wide range of media coverage which the Institution received in trade media (such as Building and Building Design) as well as the National Press (including The Guardian and the Sunday Telegraph). Press releases, articles and interviews set out CIBSE’s position on a range of crucial topics from Building Regulations to Post Occupancy Evaluation to the importance of energy efficiency. CIBSE press releases can be viewed at www.cibse.org/pressreleases and a selection of media coverage can be accessed at www.cibse.org/cibseinthepress.

Business Channel TV

CIBSE collaborated with The Business Channel.tv throughout 2012 to produce three special programmes entitled “Low Carbon Refurb: The Retrofit Plan”.

The series of programmes aims to provide a master class of expertise to help construction and building engineering organisations and CIBSE members refurbish and retrofit offices, plants, hotels, leisure and shopping centres, hospitals and schools with low carbon technologies and products. Contributors include CIBSE, the Carbon Trust and the UK Green Building Council.

The programmes are currently available on the Business Channel’s website at www.thebusinesschannel.tv

Annual Lecture

CIBSE’s Annual Lecture is a flagship event allowing the Institution to generate debate and discussion around a crucial topic in the industry. At this year’s event, held in November at the Wellcome Centre and broadcast around the world live on the internet, Alistair Buchanan, Chief Executive, Office of Gas and Electricity Markets (Ofgem) reviewed the UK’s rapidly deteriorating energy security landscape. The lecture provided vital context to the importance of building performance in energy efficiency and energy management.

Engaging with government

CIBSE’s technical activities include engagement with central government and the devolved administrations on a range of building performance related issues. During the year the Technology Committee oversaw responses to consultations by the Department of Communities and Local Government (DCLG) on proposed changes to the Building Regulations, the Department of Energy and Climate Change (DECC) on extending the Renewable Heat Incentive to dwellings and on Electricity Demand Reduction, and the European Commission on reduced VAT rates for energy efficiency measures.
Green Deal

CIBSE has worked closely through the year with various bodies associated with delivery of the Green Deal, Government’s flagship policy to improve the energy efficiency of the existing UK building stock. CIBSE has provided engineering input to the development of the scheme for non-domestic buildings, and seeking to ensure that the existing frameworks for competence assessment and recognition are also incorporated into arrangements for assessment and installation of Green Deal measures. CIBSE has also actively contributed to the Ministerial Forum on maximising uptake of the Green Deal.

Green Deal is a significant opportunity for CIBSE in the non domestic sector, although it is still difficult to fully assess how it will operate in practice in the commercial building market. We anticipate that CIBSE will increasingly be drawn into providing guidance on technical questions relating to the building physics of refurbishment, covering both the services and the thermal performance of the building envelope, as the pressure to upgrade existing buildings grows. Much of this advice will also be relevant outside the UK and beyond the Green Deal.

Housebuilding

The CIBSE Technical team also works with the NHBC, housebuilders groups and the Zero Carbon Hub, providing advice and contributing to discussions about the development of technical standards and guidance for more energy efficient, lower carbon homes. To build on our expertise in this area the CIBSE Homes for the Future Group has been established, focussing particularly on the provision of knowledge about energy efficient building services in the domestic sector.

Building Regulations 2012 Consultation

In England Building Regulations and Part L are scheduled to be further revised in 2013. Government issued detailed proposals early in 2012, and the Institution engaged with a wide body of members and other interested parties to respond to this package, with workshops in London and Birmingham to enable members to contribute. At the end of the year government announced that they would not introduce a requirement for consequential improvements in the domestic regulations, even where such works would have been covered by the Green Deal. CIBSE also works with the devolved administrations on the development of their regulations and standards.

Energy Performance of Buildings Regulations

The EU Energy Performance of Buildings Directive and its implementation across the EU continues to be an area of significant challenge. New Regulations for Energy Performance in Buildings in England and Wales were laid in December 2012 and came into force in January 2013. Whilst having concerns about the detailed implementation, the Institution continues to work with the relevant officials as far as possible on this Directive. CIBSE also continues to work with other parties such as the Better Buildings Partnership in the UK, and with ASHRAE, to promote the benefits of energy labelling, whether on a mandatory or voluntary basis.
3. CREATING ENGINEERING KNOWLEDGE

The creation and dissemination of engineering knowledge is at the heart of what CIBSE does. 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.

**CIBSE Knowledge Portal**

2012 was the first full year of operation of the CIBSE Knowledge Portal, which for the first time gives CIBSE members of all grades online access to the full range of professional guidance and knowledge, including the CIBSE Guide, Applications Manuals, Lighting Guides, Commissioning Codes, Technical Memoranda and the Knowledge Series. In 2012 the Knowledge Portal received over 90,000 visitors from over 130 countries. There are approximately 8,000 registered members, of whom 35% come from overseas – showing the enhancement to membership benefits for non-UK members.

The Portal is proving to be a significant development. Version 1 delivers simple online access to users and replaces the CIBSE Bookshop. Plans are being developed to enhance the content and user experience of the Portal in the coming year. But the Portal also challenges the way the Institution gathers, collates and reviews its Knowledge and maintains it online in the digital age. The Portal uses digital delivery to increase the penetration of CIBSE Knowledge across the membership, and beyond, which furthers the Institution’s charitable objectives.

As we move our Knowledge online so also we are moving the processes that develop and deliver CIBSE Knowledge online. During the year the Board established the new Knowledge Management Committee (KMC), to replace the previous Publications and Research Delivery Committee. The KMC is responsible for selecting the content and maintaining the quality of CIBSE’s knowledge.
The primary goal of the new committee is to increase the tempo, speed and throughput of CIBSE Knowledge, whilst maintaining quality. To this end several new members have joined the committee, including some from outside the UK, to broaden the technical and geographical spread of the committee.

Publications

CIBSE published a wide range of guidance in 2012, releasing 10 new titles, compared to 3 in 2011.

- Guide F Energy efficiency in buildings
- TM44 Inspection of air conditioning systems
- Introduction to energy efficiency - companion to Guide F
- SLL Code for lighting
- KS18 Data centres
- KS19 Humidification
- KS20 Practical psychrometry
- LG1 Industrial lighting (for SLL)
- Guide to limiting obtrusive light (for SLL)
- Technical Briefing: BIM (published as part of the CIBSE BIM website)


Communicating with members

CIBSE Journal continued to build on its success in 2012, cementing its commitment to bringing readers up to date industry news, detailed technical features and building case studies, as well as the widely acclaimed CIBSE CPD modules. Through editorial coverage and sponsorship the Journal also supported the range of CIBSE events and awards held across the year.

In 2012 the Journal published a special CIBSE focused supplement entitled Engineering Knowledge. The supplement set out CIBSE’s position on key industry issues, laid out its plans for the future, and raised awareness of the diverse range of areas its membership work in. Three other additional supplements were also published in 2012: Schools and Education Facilities; Hotel and Leisure; and Lighting.

The Journal was also pleased to welcome experienced print and digital journalist Alex Smith as editor in June 2012. Alex said “CIBSE Journal is extremely well respected in the marketplace and I am delighted to take on this role. Building services
3. CREATING ENGINEERING KNOWLEDGE

engineers are often the unsung heroes in any construction project and I plan to help change that perception and to take the magazine from strength to strength, online and offline.”

Starting this process, the Journal also held its first Webinar, focused on energy related products, looking at the implications of the EU Directive. Through 2013 the Journal will continue to explore new areas for expansion, notably through developing the website and social media as well as offering further webinars and events.

SLL Newsletter continues to provide Society of Light and Lighting members with news of the Society as well as a range of technical features and articles. The newsletter serves a key role in keeping members informed about the wide range of events and activities run by SLL throughout the year.

The fortnightly electronic newsletter continues to be a key means for distributing information about events, training, consultations, news and requests for membership participation. We continue to work to enhance its usefulness to members and to target it more effectively.

BSER&T and LR&T

CIBSE continues to publish, in association with Sage, Building Services Engineering Research & Technology (BSER&T) and Lighting Research and Technology (LR&T), quarterly journals containing refereed papers on all aspects of building services engineering and lighting respectively. BSER&T is available online to all CIBSE members, and LR&T is accessible to all SLL members. A special issue of BSERT, ‘Adaptation and resilience to a changing climate: supporting adaptation decision making’, was published in 2012, containing in-depth studies on the use of the latest UK climate projections to support the adaptation of existing buildings and the design of new buildings to operate in a changing climate. LR&T continues to increase its circulation and its impact factor, a measure of its worldwide reputation and standing as one of the leading journals in the field of lighting research.

Training/CPD

CIBSE training and events (including the Mid-Career College) were busy in 2012 arranging over 200 events and attracting over 1,800 delegates. Events were held in many parts of the UK including Bristol, Leeds, Manchester, Newcastle, London and Birmingham and covered topics as varied as Controls, CHP, Fire sprinklers and lighting design. CIBSE also continued to provide training for those wishing to be accredited as non-domestic energy assessors or air conditioning inspectors.
In 2013 training is planned for iSBEM users, those who want to know more about the Renewable Heat Incentive and Green Deal, where CIBSE has secured a significant grant from the Department of Energy and Climate Change to deliver training in energy management. CIBSE is also adding to its online learning programme with units on commissioning and testing and drainage.

**Technical Symposium and Conference & Exhibition**

The 2012 CIBSE ASHRAE Technical Symposium took place at Imperial College, London on 18-19 April with over 140 registered participants. The Symposium comprises peer reviewed presentations and is aimed at all within the Institution with an interest in learning about the latest thinking and developments in building services engineering. Sessions covered a range of topics including tools and techniques for energy modelling and optimisation; Optimising ventilation for energy, comfort and performance; and Building performance assessment. Full details of the seminars, posters and papers presented at the Symposium can be found on the CIBSE website.

The 2013 Symposium will be held at Liverpool John Moores University on 11-12 April with the theme ‘Delivering buildings that are truly fit for purpose’, in line with our core theme.

In October 2012 CIBSE’s Annual Conference was combined with a major exhibition (replacing the M&E Event) to create Building Services - the Chartered Institution of Building Services Engineers’ Conference and Exhibition. Held on October 10-11 2012 at London Olympia, in conjunction with UBM, the event explored the theme of cross-industry collaboration.

The two-day event brought together a high-level delegation from across the building services supply chain to debate the challenges facing the industry, identify the most successful business strategies, forge and renew relationships for the future and help to ensure the success of projects, businesses and careers.

Paul Morrell OBE, Chief Construction Advisor to the Government, gave the keynote address on the first day, warning that ‘Change really is coming - and it has to.’ He discussed the dangers to the construction industry of ignoring problems, and accused ‘parts of the sector having a determination to keep design and construction separate’.

LED office luminaire system with secondary technique - Nomura Investment Bank, London © Wilo Lighting
4. STRENGTHENING THE FUTURE OF THE INDUSTRY

The engineering industry is poised to play 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 strengthen the building services industry by encouraging young people into the industry, supporting their career development. 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.

Free student membership

2012 saw the introduction of free student membership for full-time students, demonstrating CIBSE’s continued commitment to engaging students earlier in their career. This has also helped CIBSE to promote the importance of gaining professional registration and the benefits of being part of the CIBSE community. The Institution continues to build relationships with universities and colleges and undertake regular visits to present to students and staff.

President’s prize – The Undergraduate Award

Daniel Chambers, from Leeds Metropolitan University, won the 2012 CIBSE Undergraduate Award. Chambers, who studied for a BEng Hons in Building Services Engineering, won with his project entitled, Leeds Metropolitan University Rose Bowl “Phase 2 LZC feasibility study and building services design and integration report.” The CIBSE Undergraduate Award is designed to encourage students to develop their potential and aim for excellence. It is awarded to students in their final year of a building services course accredited by CIBSE, recognising their academic achievements at the end of their course of study.

Young Engineers’ Awards

The CIBSE Young Engineers’ Awards, held in October 2012, are an opportunity for the Institution to celebrate excellence in the new generation of building services engineers and to reward those companies who develop the engineers of the future. Lee Tabis, a 22-year-old trainee design engineer with NG Bailey, has been named the CIBSE ASHRAE Graduate of the Year 2012 and JDP was named the Employer of the Year for its outstanding record of investment in the education of young engineers and its advanced apprenticeship programme.

Lee, a graduate of Leeds College of Building, was selected from a shortlist of seven outstanding young engineers. Each finalist was challenged to give a presentation to an audience and a distinguished judging panel that included the...
presidents of CIBSE and ASHRAE (the American technical society) and last year’s Graduate of the Year Angela Malynn. Lee attended the ASHRAE Winter Meeting in Dallas, Texas in January 2013 as a VIP guest of the Society and as CIBSE’s ‘ambassador’ for young engineers.

**The Happold Brilliant Award**

The Happold Brilliant Award 2011-2012 was awarded to Glasgow Caledonian University, and accepted by Dr Robert Hoare on behalf of the university. This annual award recognises excellence in the teaching of building services engineering.

**Ken Dale Travel Bursary**

Deivy Riquier was the winner of the CIBSE 2012 Ken Dale Travel Bursary. Riquier, from France but living and working in the UK, investigated ‘Advanced district cooling technologies: an international insight’. His study tour has so far included two countries, Sweden and Japan, and he was due to visit the USA at the end of October. The Ken Dale Travel Bursary, now in its fifth year, makes awards available to CIBSE members at the development 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 of building services engineering.

**Young Engineers Network**

The Young Engineers Network (YEN) provides a means for newer entrants to building services and those working in the area of building services to meet and network. YEN is organised into regional centres, supported by the regional committee, with a national network of centre chairs to co-ordinate, share best practice and exchange ideas between the different regional centres.

- The Young Engineers’ Network (YEN) has now grown to approximately 3000 members, up 20% on this time last year;
- There are now 11 active YEN Centres across the UK and internationally, with interest in the creation of new centres in South Wales, Southern Region, Northern Ireland and Republic of Ireland;
- 36% of YEN members are outside UK, with Hong Kong and China having the most overseas members.
- October saw the launch of the Young Energy Performance Group within the Energy Performance Group, a networking group with the mission of providing a platform for discussion and dissemination of innovative ideas and research regarding energy performance in buildings.

The winners of the 2012 Building Performance Awards.
Diversity Panel

In September 2012 CIBSE established a Diversity Panel to advise and support the Institution in recognising under-represented groups in the industry. The panel, chaired by Andy Ford, CIBSE Immediate Past President, has the following Terms of Reference:

1. To advise and engage with the board on all matters relating to equality and diversity;
2. To recommend actions to increase the diversity of the Institution and its membership, and to ensure it meets its commitments to fairness and equal opportunities;
3. To be a communication hub between CIBSE and other organisations, working in collaboration to promote and embed diversity in the industry; and
4. To keep under review the Institution’s policy and practices relating to equality and diversity.

The initial meeting established that the scope of ‘diversity’ should encompass gender, age, ethnicity, socio-economic status, disability, sexual orientation, and religion/beliefs. But it also acknowledged that there were at least two other aspects of diversity the panel should also engage with: diversity of professional background (relating to different construction professionals), and diversity of working patterns (in relation to part-time working and career breaks). The panel agreed that it should seek to learn from other organisations in terms of setting targets and monitoring progress. Further information is available at www.cibse.org/diversity

WiBSE

The Women in Building Services Engineering Network was established in 2012 to ‘inspire the next generation and create the support network that will enable more women to join, stay and progress within the industry and the Institution.’ The WiBSE steering group reports into the CIBSE Diversity Panel. It is a formal CIBSE network with a microsite (www.cibse.org/wibse) a Twitter account (@CIBSEWomen), its own email address (wibse@cibse.org), and a LinkedIn group at www.linkedin.com. WiBSE has a wide-ranging calendar of events planned for 2013 and will be establishing regional branches, with three already running in London, Yorkshire and Australia.
CIBSE offers a range of products and services to its members to support them in delivering excellence in the built environment.

CIBSE membership continues to be highly valuable to those working in the building services industry. Beyond the obvious benefits of professional recognition, members can take advantage of free and unlimited access to the CIBSE Knowledge Portal, free subscription to the CIBSE Journal and e-newsletter, substantial discounts on printed copies of publications from CIBSE and other publishers, networking opportunities and extensive opportunities for professional development.

In 2013 we will continue to review and evaluate membership benefits to ensure that CIBSE membership offers value in these challenging times. By the end of 2012 CIBSE membership stood at over 20,000 members – a new record membership. In 2012 CIBSE had over 9,000 professionally registered engineers with the Engineering Council, up by 4% from 2011 – the largest percentage increase of the top ten engineering institutions.

CIBSE Membership by Grade

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<td>Fellow</td>
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<tr>
<td>Member</td>
<td>7,527</td>
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<tr>
<td>Associate</td>
<td>1,766</td>
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<tr>
<td>Licentiate</td>
<td>958</td>
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<tr>
<td>Graduate</td>
<td>1,301</td>
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<tr>
<td>Student</td>
<td>1,695</td>
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<tr>
<td>Affiliate</td>
<td>5,890</td>
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<tr>
<td>Companion</td>
<td>31</td>
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<tr>
<td>Honorary Fellow</td>
<td>38</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20,198</strong></td>
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Active regions/groups – networking opportunities

The CIBSE regions in the UK and around the world continue to play a major role in the institution during 2012 delivering a programme of technical and social events for both CIBSE members and non-members alike.

CIBSE operates a number of different professional groupings. There are four formal Divisions of CIBSE, the Societies of Light and Lighting (SLL), Public Health Engineers (SoPHE) and Façade Engineering (SFE), and the Institute of Local Exhaust Ventilation Engineers (ILEVE).
The 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.

There are 17 Specialist Interest Groups, covering a range of topics from daylighting and lifts to controls and electrical services. Participation in these is open to all, members or not, with an interest in the topic:

- ASHRAE
- CHP /DH
- Day Lighting
- Electrical Services
- Facilities Management
- Heritage
- Industry, Education & Training
- IT & Controls
- Lifts
- Natural Ventilation
- Project Management
- Energy Performance
- Healthcare

The Divisions and Specialist groups provide a mechanism for likeminded members to come together, in person or, increasingly, using digital channels, to share knowledge and information and contribute to the development of CIBSE Knowledge.

**CIBSE Website**

Visitor levels to the main CIBSE website remained stable through the year with over 500,000 visits from 285,000 unique visitors clocking up nearly 2 million page views.

New microsites – which aim to bring a consistency of branding and content to all CIBSE related sites while still giving these parts of the Institution their own distinctive online presence – were completed for all the Societies and most of the CIBSE Regions, as well as the CIBSE Benevolent Fund, the CHP Group and the YEN centres.

With the approval of the 3 year IT strategy towards the end of 2012 it is anticipated that the CIBSE website will be completely overhauled in 2013, beginning with the selection and implementation of a new content management system.

**Social and broadcast media**

Social media has become an integral part of the way in which CIBSE communicates with its members. A lively and active LinkedIn discussion group now has over 8,000 members, with an average of 100 new members joining each month. Twitter (@CIBSE) has become an important communication channel, allowing communication and dialogue with over 8,000 followers – 3,000 of whom joined in 2012. The feed has been used to promote CIBSE activity, training events, CIBSE Journal articles, new publications, awards etc. as well as signposting followers to interesting and relevant industry developments.

CIBSE President David Fisk has written regular blog posts since his inauguration as President in May 2012, offering an insight into his official role as well as a personal perspective on key topics of the day. Outspoken and entertaining, the blog has developed a popular following and it is hoped that this will grow in 2013, and also be expanded to include posts from other members of the CIBSE management team and commentators from across the industry.

Particular groups, regions and societies have also developed a strong online presence – notably YEN, WiBSE and the Young Energy Performance Group as well as the Society of Light and Lighting – using Twitter, LinkedIn and Facebook to promote their events and activities as well as allowing communication between members.
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.

CIBSE’s International membership continues to grow with 27% of members residing in 96 countries outside the UK. The Hong Kong region serves over 2,600 members and plays a major role in CIBSE’s international activities including an active Young Engineers Network. The President Elect, George Adams, visited the Hong Kong Region in November 2012 to be the keynote speaker at the annual Hong Kong Symposium which focused on The Challenge of Building Innovation in Ecological Revitalisation. Meetings were also held with the Hong Kong Regional committee as well as with Hong Kong Institution of Engineers.

Nominated country representatives continue to serve members around the world in countries such as Canada, Qatar, United Arab Emirates and Sri Lanka. They help support the development of membership in those areas as well as deliver a programme of technical events and networking opportunities for those members living locally.

ASHRAE and REHVA – “International Relations”

CIBSE has worked closely with ASHRAE to drive the development of HVAC engineering in the UK, North America and around the world. With combined membership of nearly 75,000, the two societies have a major impact on engineering systems in buildings in many parts of the world. Over the past year there has been a particularly close collaboration on building energy certification, or labelling as it is termed in North America, with a view to establishing a common approach to labelling that the two organisations can pursue jointly. We held a very successful Technical Symposium jointly sponsored by ASHRAE at Imperial College in April 2012, which was supported by a number of senior ASHRAE members, including President Ron Jarnagin.

CIBSE is a leading participant and the largest constituent association in REHVA, the European Federation of Building Services Engineering Associations. During the year Donald Leeper retired as a Vice President of REHVA, having completed a three year term.
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 2012 there was an overall increase in incoming resources, up £0.4m from £5.5m to £5.9m. Key reasons were an increase in revenues received from membership subscriptions of £0.5m including a good increase in new members. However, fees receivable for charitable services declined from £0.7m to £0.5m due to a decline in hard copy publication sales.

Resources expended increased by £0.4m from £5.3m to £5.7m due to cost increases in the trading subsidiary companies and an increase in publications production costs.

There was a small reduction in net incoming resources from £190k in 2011 to £155k in 2012. This is a continued good performance in the face of continuing difficult economic circumstances.

The cash balance decreased from £1,735k in 2011 to £1,370k in 2012 as a result of purchases of software fixed assets and a decline in other creditor balances.

Continued volatile financial market conditions resulted in unrealised gains on investment assets of £180k in 2012 compared to an unrealised loss in 2011 of £118k.

There was also an actuarial gain on the defined benefit pension scheme of £71k compared to a loss of £535k in 2011.

Part of this improvement resulted from the scheme assets at 31 December 2012 including assets valued at £223,000 which were held at 31 December 2011 but not disclosed.

These movements resulted in a net increase in funds of £406k from £2,649k in 2011 to £3,055k in 2012 which is carried forward at the year end. This increase is largely attributable to the positive operating performance, unrealised gains on investment assets and the actuarial gain on the defined benefit pension scheme.

Reserves policy

The Institution has a reserves policy to maintain a level of funds that is sufficient to meet any unplanned contingencies that may be encountered. The Board considers that the Institution’s current fund balances are sufficient for this purpose, although the position regarding the pension scheme liability is noted. 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.

Risk management

It is the responsibility of the Board as the Trustees of the Institution to examine the major operational and business risks which the Institution faces and to establish appropriate systems to manage significant risks. Risk is assessed as part of the consideration of all new projects, and the Finance Sub Committee is charged with the detailed examination of the Institution’s Risk Register and the presentation of an annual review of the Institution’s overall risk profile for the Board’s consideration. This review has identified and assessed the major risks faced by the Institution, and confirmed that appropriate control systems have been established to manage those risks. The Board will continue to review the overall risk profile on an annual basis, and to consider specific and substantial risks as they arise.
Independent auditor’s report to members of The Chartered Institution of Building Services Engineers

We have audited the financial statements of The Chartered Institution of Building Services Engineers for the year ended 31 December 2012 which comprise the Consolidated Statement of Financial Activities, the Institution and Consolidated Balance Sheet, the Consolidated Cash Flow Statement and the related notes. The financial reporting framework that has been applied in their preparation is applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

This report is made solely to the Institution’s Trustees, as a body, in accordance with section 144 of the Charities Act 2011 and regulations made under section 154 of that Act. Our responsibility is to audit and express and opinion on the financial statements in accordance with applicable law and International Standards on Auditing (UK and Ireland). Those standards require us to comply with the Auditing Practices Board’s (APB’s) Ethical Standards for Auditors.

Scope of the audit of the financial statements

An audit involves obtaining evidence about the amounts and disclosures in the financial statements sufficient to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or error. This includes an assessment of: whether the accounting policies are appropriate to the Institution’s and the Group’s circumstances and have been consistently applied and adequately disclosed; the reasonableness of significant accounting estimates made by the Trustees; and the overall presentation of the financial statements. In addition, we read all the financial and nonfinancial information in the Report of the Trustees to identify material inconsistencies with the audited financial statements. If we become aware of any apparent material misstatements or inconsistencies we consider the implications for our report.

Opinion on financial statements

In our opinion the financial statements:

• give a true and fair view of the state of the Institution’s and the Group’s affairs as at 31 December 2012, and of its incoming resources and application of resources, for the year then ended;

• have been properly prepared in accordance with United Kingdom Generally Accepted Accounting Practice; and

• have been prepared in accordance with the requirements of the Charities Act 2011.

Matters on which we are required to report by exception

We have nothing to report in respect of the following matters where the Charities Act 2011 requires us to report to you if, in our opinion:

• the information given in the Report of the Trustees is inconsistent in any material respect with the financial statements; or

• sufficient accounting records have not been kept; or

• the financial statements are not in agreement with the accounting records and returns; or

• we have not received all the information and explanations we require for our audit.

CHANTREY VELLACOTT DFK LLP
Chartered Accountants and Statutory Auditor
London

Date: 27th March 2013

CHANTREY VELLACOTT DFK LLP is eligible to act as an auditor in terms of section 1212 of the Companies Act 2006.
## 7. SUMMARISED CONSOLIDATED STATEMENT OF FINANCIAL ACTIVITIES

### INCOME & EXPENDITURE

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>£’000</td>
<td>£’000</td>
</tr>
</tbody>
</table>

### INCOMING RESOURCES

Incoming Resources from generated funds:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voluntary Income</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Legacies</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Activities for generating Funds

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trading Subsidiary Companies</td>
<td>2,531</td>
<td>2,569</td>
</tr>
<tr>
<td>Investment Income</td>
<td>99</td>
<td>83</td>
</tr>
</tbody>
</table>

Incoming Resources from Charitable Services

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members’ Subscriptions</td>
<td>2,740</td>
<td>2,195</td>
</tr>
<tr>
<td>Fees Receivable for Charitable Services</td>
<td>493</td>
<td>689</td>
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</tbody>
</table>

Total Incoming Resources 5,863 5,536

### Resources Expended

Cost of generating funds:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trading Subsidiary Companies</td>
<td>2,328</td>
<td>2,220</td>
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</table>

Charitable activities:

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Membership</td>
<td>1,190</td>
<td>1,055</td>
</tr>
<tr>
<td>Publications</td>
<td>424</td>
<td>321</td>
</tr>
<tr>
<td>Technical</td>
<td>615</td>
<td>536</td>
</tr>
<tr>
<td>Regional and Special Interest Groups</td>
<td>783</td>
<td>750</td>
</tr>
<tr>
<td>Research</td>
<td>239</td>
<td>326</td>
</tr>
</tbody>
</table>

Governance Costs 130 138

Total Resources Expended 5,709 5,346

### Net Incoming Resources

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Deficit)/Gain on investments and Pension scheme</td>
<td>154</td>
<td>190</td>
</tr>
</tbody>
</table>

Net Movement in Funds 406 (380)

Fund balance brought forward 2,649 3,029

Fund balance carried forward 3,055 2,649

### SUMMARISED CONSOLIDATED BALANCE SHEET

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property &amp; Equipment &amp; Goodwill</td>
<td>416</td>
<td>354</td>
</tr>
<tr>
<td>Investments</td>
<td>2,123</td>
<td>1,942</td>
</tr>
</tbody>
</table>

Current Assets

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stocks of Publications</td>
<td>96</td>
<td>95</td>
</tr>
<tr>
<td>Debtors</td>
<td>604</td>
<td>598</td>
</tr>
<tr>
<td>Short Term Deposits &amp; Cash Balances</td>
<td>1,370</td>
<td>1,735</td>
</tr>
</tbody>
</table>

Creditors due within 1 year (1,346) (1,646)

Net Current Assets 724 782

Net Assets Excluding Pension Scheme Liability 3,263 3,078

Defined Pension Scheme Liability (208) (429)

Net Assets 3,055 2,649

Total Funds 3,055 2,649

These summarised financial statements may not contain sufficient information to allow for a full understanding of the financial affairs of the Institution. For further information the full financial statements, the auditors report on those financial statements and the trustees annual report should be consulted; copies can be obtained from CIBSE, 222 Balham High Road, London, SW12 9BS, and will be available at the Annual General Meeting.
Members of the Board

President: David Fisk
President-Elect: George Adams
Vice President: John Field
Peter Kinsella
Peter Wong
Hon Treasurer: Nick Mead
Immediate Past President: Andy Ford
Elected:
Paul Hardy
Stephen Lisk
Geraldine O’Farrell
Tadj Oreszczyn
Catherine Simpson
Graham Manly OBE (Co-opted)
Stuart MacPherson (Co-opted)

Members of the Consultative Council

All members of the Board
Past Presidents: Mike Simpson
Rob Manning
Elected Members: Chris Northey
Doug King
Mariana Trusson
Colin Ashford
Geoff Smyth
James Mackenzie-Burrows

Co-opted Members: Bukky Bird
Patrons
Representative: David Fitzpatrick
Society Representatives:
Iain Macrae (SLL)
Chris Northey (SoPHE)
Graham Fairley (SFE)
Wally Gilder (ILEVE)

Young Engineers Network:
Jonathan Page
YEN Mentor:
Andrew Saville
REHVA:
Derrick Braham
Donald Leeper
EC(UK) Board Rep: David Hughes

Standing Committee Chairmen:
Laurence Aston (Education Training & Membership Committee)
Tim Dwyer (Communications Committee)
Bryan Franklin (Technology Committee)
Adrian Catchpole (Professional Practices Committee)
David Hughes (Knowledge Management Committee)
John Armstrong (Regional Liaison Committee)

Group Representatives:
Tim Dwyer (ASHRAE)
Phil Jones (CHP/DH)
S Cannon-Brookes (Day Lighting)
Tony Sung (Electrical Services)
Geoff Prudence (Facilities Management)
Neil Sturrock (Heritage)
Nick Mead (Industry, Education & Training)
Peter Warburton (IT & Controls)
John Bashford (Lifts)
Derek Clements Croome (Natural Ventilation)
TBA (Project Management)
Phil Jones (Energy Performance)
Richard Knight (Healthcare)
Derek Clements Croome (Intelligent Buildings)
John Palmer (School Design)
Hazim B. Awbi (Building Simulation)
Ashley Bateson (Homes for the Future)
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