



2012 review

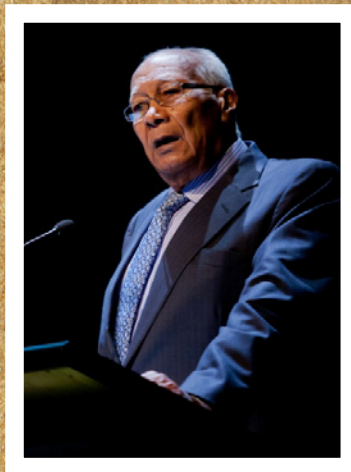
Incorporating the annual report and accounts of the Institution of Chemical Engineers



Chemeca 2012



The Caltex Teaching Award presented to Ken Morison



George Maxwell Richards, President, Republic of Trinidad and Tobago



The Uhde Sheddén Medal and Prize awarded to Annalisa Contos

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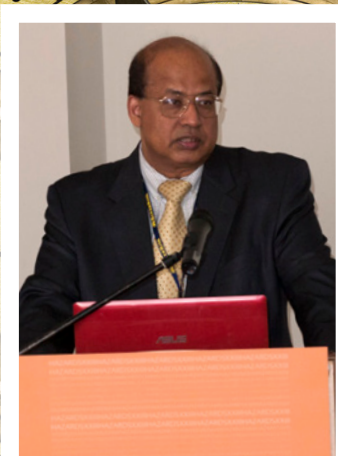
Hazards XXIII



Quentin Baker,
President of Baker Risk Engineering



Judith Hackitt and Trevor Kletz



Sam Mannan, MKO Process
Safety Centre

President's message: the passport to professionalism



I have always relished being a chemical engineer, not only for the range of opportunities it has presented me throughout my career, but also for the interactions that I have experienced with my fellow professionals around the world. In the words of a fellow Australian, and IChemE past president, Greg Lewin, our profession truly is 'boundaryless'.

Having served on Council as vice president (international) and chair of IChemE in Australia for several years, I am conscious of the role that the Institution can, and does, play in connecting the global chemical engineering community.

And so, as I entered my presidential year, my aim was to promote the opportunity of IChemE membership to chemical engineers, regardless of where they are or what they do, so that they, and we, can benefit from a truly representative and international professional network. I wanted our Institution to pass the 'so what?' test.

By growing our global network our relevance is enhanced. We will maintain the integrity of our profession and build further on IChemE's standards in chemical engineering education. Significantly, the range of membership grades uniquely underpins a global membership with clear routes to progress from Affiliate or Associate Member to the pinnacle of Chartered Member, our 'gold standard' and the 'international passport' of professionalism in chemical engineering.

IChemE is its members, and I am pleased to report steady growth in all parts of the world and, in particular, a growing intake of student members. Now the challenge is to energise these students to retain their membership when they graduate.

This will only happen if our value proposition is strong and compelling. This test applies equally across all membership grades. Much effort has been directed towards articulating the value of membership and the relevance of IChemE during my presidency.

IChemE Council, the staff team and our large army of volunteers take every opportunity to demonstrate value and relevance through a wide range of engagements with educators, employers, governments and the wider public. Many examples are mentioned in the pages that follow, but I'd also like to touch upon some of last year's highlights.

Everyone has the right to expect a safe working environment. There are many engineers who devote their careers to process safety and in response to a clear unmet need, IChemE pioneered a new register that recognises process safety professionals. The initiative, which was announced at *Hazards XXIII* in November, has received overwhelming support and in 2013 the register will be open to professional process safety engineers meeting peer-reviewed criteria consistent with the status of Chartered Engineer.

Another significant achievement was the launch of *Chemical Engineering Matters*. This initiative builds upon the *Roadmap for 21st Century Chemical Engineering* published in 2007 and explores the wide range of opportunities for chemical engineers to create, improve and sustain quality of life; it will also provide a strong steer for IChemE's future work programmes. The report will shape our work with members and with the wider chemical engineering community. We aim to highlight the work of the profession and secure stronger influence with opinion formers and decision makers.

During the year, I have visited all of IChemE's offices around the world and chaired Council meetings in the UK, New Zealand and Malaysia. I have also visited South Africa and India and attended member group events in Australia and the UK. No matter where I have been and no matter the company, the expertise, commitment and warmth of the community has proved simply inspirational. Our contribution for the betterment of society has never been so vital.

I am deeply honoured to have served IChemE as its president. I am indebted to my Council colleagues and the staff team for their encouragement and support. But most of all I am indebted to the thousands of members around the world who, through their work, make it abundantly clear that chemical engineering continues to pass the 'so what?' test.

Russell Scott

Chief executive's report



2012 saw new advances for IChemE and the chemical engineering profession.

We set out four things that IChemE seeks to do for the profession and the process industries – they are outlined in more detail on pages 8–11 and I am pleased to report that we have reached important milestones against each of them.

In the area of standards and qualifications we have announced the launch of

a new professional qualification in process safety, differentiating those engineers who have specialist knowledge and competence in that vital area. Modelled on the process for becoming chartered, the new qualification has attracted great interest from around the world. We have also supported members in continuing professional development (CPD), notably those working in Queensland, Australia where we are now able to approve professionals against the Register of Professional Engineers in Queensland for which CPD is a requirement.

Backing this up, we have expanded our training offer and reinforced our processes for approving external training courses. More and more companies are taking advantage of IChemE's rigorous and peer-reviewed professional development offer as a part of their staff development. Further improvements in member services include implementing our new membership application and review system, which means quicker responses to membership enquiries.

Engaging with the widest array of audiences on behalf of the profession continues to be a priority and the launch of *Chemical Engineering Matters*, our first major 'forward look' for the profession for five years, will guide our work in this area and enable the trustees and staff to speak with greater certainty on behalf of the profession.

A key issue continues to be provision for growing numbers of chemical engineering students: our *whynotchemeng* campaign has continued to drive steady increases in the number of young people wanting to study chemical and biochemical engineering and while we are delighted at this success, we will now continue to press for commensurate provision to be made for university staffing, laboratory and teaching infrastructure, and – crucially – increased opportunities for students to interact with industry through projects, visits and placement schemes.

At the same time, it is important that fully-qualified engineers should be able to move freely in a global profession which supports global business. IChemE continues to lead opposition to visa restrictions that damage both the university base and the prospects for investment.

Helping professionals communicate is our fourth aim and we can report another successful UK process safety conference. We have refreshed our 'lessons learned' journal, *Loss Prevention Bulletin*, which will in future serve as the publication of the IChemE Safety Centre, supported by a multi-company consortium and supplementing the central flagship role of *tce*.

IChemE's international professional community now embraces a vast range of people in a broad spectrum of roles and I am particularly pleased that the Technician membership and professional qualification for engineering science technicians are now a growing part of our offering.

There is much more to come in 2013, but until my next opportunity to report, do keep up-to-date with our activities and events through icheme.org. In addition, we will always welcome your comments, suggestions, feedback and offers of help. If you're reading this in print format, check out the online version of the review which is backed up with further reading, useful links and even some video content!

Finally I would like to acknowledge the tremendous work of our trustees, the members of our governing Council, who put valuable time, effort and expertise into guiding our community; our staff around the world, and above all the many hundreds of volunteers who contribute in a host of ways to making this profession the success that it is. It is a pleasure to work with you all.

David Brown

Governance and leadership

Russell Scott President	Chief executive officer, ThyssenKrupp Uhde Oil & Gas, Australia
Judith Hackitt Deputy president	Chair, Health and Safety Executive, UK
Sir William Wakeham Past president	Former vice chancellor, Southampton University, UK
Desmond King (until May 2012) Past president	President, Chevron Technology Ventures, US
Keith Batchelor Honorary treasurer	Consultant, Nuffield Court, UK
Colin Webb (from May 2012) Vice president (qualifications)	Professor, University of Manchester, UK
David Shallcross (until May 2012) Vice president (qualifications)	Director, Engineering Learning Unit, University of Melbourne, Australia
Ross McCann (from May 2012) Vice president (international)	Chief executive officer, Qenos, Australia
Ed Daniels Vice president (technical)	Executive vice president of Global Solutions Downstream, Shell, UK
Moses Tadó (from May 2012) Vice president (Australia)	Dean of engineering, Curtin University, Perth, Australia
Abdul Wahab Mohammad Chair (Malaysia)	Director, National University of Malaysia, Malaysia
Neville Brewis (until May 2012)	
Julian Chaudhuri	Head of chemical engineering, University of Bath, UK
BP Chow	Managing director, Aquakimia, Malaysia
Bill Harper	Senior process engineer, Sellafield Ltd, UK
Peter Hunt	Business development director, ABB Consulting, UK
Andrew Jamieson	
Max Kennedy	National manager biological industries, Ministry of Business, Innovation and Employment, New Zealand
Martyn Poliakoff	Research professor, University of Nottingham, UK
Jon-Paul Sherlock (from May 2012)	Senior director, Pharmaceutical Development, AstraZeneca, UK
Noel Williams (from May 2012)	Specialist manufacturing advisor, Dragoman, Australia
Invited to attend	
Richard Darton President, European Federation of Chemical Engineering	

IChemE directorate

David Brown	Chief executive officer
Justin Blades	Deputy chief executive
Neil Atkinson	Director of qualifications and international development
Jo Downham	Director of finance and business
Claudia Flavell-While	Director of publications
Andrew Furlong	Director of policy and communication
Peter Slane	Director, Australasia

The total number of staff employed by IChemE at the turn of the year was 80. Departures included Carolyn Phipps and Jan Althorp, who said farewell to the Institution following 22 and 10 years' service respectively.



Colin Webb



Ed Daniels



BP Chow

Building an international community

IChemE is building and sustaining an active international professional community, united by a commitment to qualifications and standards that foster excellence, relevance and esteem and deliver benefits to society.

More members in more places

IChemE closed the year with a record 36,400 members, up 6% on the previous year. The UK remains home to the largest group of members (20,700) followed by Malaysia (4,500) and Australia (3,750) respectively. 400 members achieved Chartered Chemical Engineer status for the first time in 2012 with a further 140 elected to Fellowship.

2012 saw the development of a new international alliance with the South African Institution of Chemical Engineers (SAIChe). The merger will be finalised in 2013 and is expected to culminate in the formation of SAIChe-IChemE in the region.

Recognising excellence

Six organisations gained IChemE accreditation for their graduate company training schemes. Accreditations for Qatar Gas and Larsen & Toubro marked our first in Qatar and India respectively, with further accreditations awarded to WSP CEL, Nuvia, Cristal, VWS Westgarth, GL Industrial Services and Babcock International Group.

IChemE's roster of Corporate Partners – those organisations that demonstrate a commitment to their employees, the wider profession and the Institution – was also on the rise in 2012. Ingen Ideas was awarded

bronze partner status, Larsen & Toubro achieved silver status, and the Abu Dhabi Marine Operating Company (ADMA-OPCO) and KBR were both awarded gold partner status.

The year also saw the University of Trinidad and Tobago's chemical engineering course fully accredited by IChemE for the first time. We accredit courses at more than 50 universities in 18 countries.

A broader membership

IChemE has introduced a new pan-engineering process safety qualification recognising competent individuals working in a senior process safety role. Titled Professional Process Safety Engineer it has already attracted widespread interest and will be recognised at the same level as Chartered or Professional Engineer.

The Institution is now an awarding body for all three levels of professional qualification across science and engineering, through The Science Council and The Engineering Council respectively. This follows the approval of IChemE to award Technician Members Registered Science Technician (RSciTech) status, as well as that of Engineering Technician (EngTech).

We also secured approval to become an assessor for Registered Professional Engineer of Queensland (RPEQ)

registrations, a requirement for all engineers working in, or on, projects destined for the Australian state.

The composition of IChemE's special interest groups (SIGs) shifted in 2012 with the offer of one free SIG membership to every IChemE member. Seven groups now have more than 500 members – Oil & Natural Gas, Safety & Loss Prevention, Water, Project Management, Biochemical Engineering, Nuclear Technology, and Energy Conversion Technology. Every group is now represented in at least 15 different countries, with more than half having a presence in 30 or more.

As well as staging over 40 physical events, the SIGs also organised more than 40 webinars last year with participation from 3,000 delegates spanning 70 countries.



ADMA OPCO Corporate Partner presentation



Alex Salmond

Engaging with others

IChemE engages with others to promote the development, understanding and use of chemical engineering and the appreciation of its importance.

Because chemical engineering matters

IChemE published its revised technical strategy, *Chemical Engineering Matters*, following consultation with members and external stakeholders. The report centres on securing sustainable energy supplies, food and nutrition, access to clean water, and health and wellbeing. Focussing on the application of chemical engineering, it also outlines current thinking on safety and risk, education, training and research. The report identifies ten priorities for IChemE – to:

- promote a thorough understanding of hazard, risk and risk reduction at all stages in the process life cycle and introduce a new international qualification for process safety professionals;
- support a global professional community via integrated training and professional development;
- press for investment in applied research;
- support chemical engineers in all parts of the energy economy from world-scale carbon management to renewable energy;
- provide support to chemical engineers in the water community and explore ways of securing viable industrial and municipal water supplies;
- promote the role of chemical engineering in the delivery of sustainable food solutions;
- deliver more healthy and sustainable lifestyles and highlight the impact of the discipline in the pharma and bioscience sectors;
- work with groups and local leadership around the world to develop coherent policy goals;
- continue to highlight the role of chemical engineering in improving process efficiency and reducing costs to deliver cheaper, more sustainable consumer products; and
- encourage members to engage productively in public conversation about the impact of chemical process and products.

Working with governments

First minister of Scotland, Alex Salmond was guest speaker at IChemE's Aberdeen Member Group dinner. Speaking to an audience of 250 chemical engineers and invited guests, Salmond used the platform to emphasise the importance of engineering to the country's identity and economy.

Following sustained opposition to migration restrictions of skilled engineers in 2012, IChemE backed a UK government committee report calling for overseas students to be excluded from net migration figures.

IChemE also supported the UK government's decision to lift an embargo on the extraction of shale gas through hydraulic fracturing (or 'fracking'), after new

regulations were developed to ensure health, safety and environmental risks are managed effectively.

In the UK, we continue to participate in the pan-engineering alliance, Engineering the Future, to influence government policies on engineering-related matters.

In Australia, a senate report, *The Shortage of Engineering and Related Employment Skills*, called upon IChemE and other professional bodies to work with government, industry and academia to develop strategies to meet the country's long-term engineering requirement.

Inspiring the next generation

IChemE's UK *whynotchemeng* campaign continues to play a key role in the country's chemical engineering turnaround amongst students.

In 2012 a record number of students – 2,201 – embarked on a chemical engineering university degree in the UK, with application figures also reaching an

all-time high. Since the campaign's launch over a decade ago, the number of students studying chemical engineering has increased by 134%, with 25% of them citing *whynotchemeng* as a reason for their interest in the subject.

Providing support and services

IChemE is committed to providing support and services to individuals, employers and others who contribute to the practice and application of chemical engineering.

A commitment to professional development

IChemE continued to expand its portfolio of training courses in 2012 with open and in-company programmes staged in Australia, Canada, Malaysia, New Zealand, the Netherlands, South Africa, the US and the UK. New courses launched last year included *Gas Explosion Hazards on Offshore and Onshore Facilities* and *Better by Design – Sustainable Business and Chemical Engineering*.

We also released the *Tough Talks* process safety training toolkit. The programme helps identify and

investigate the greatest process safety risks in an operations environment, encouraging groups to work together and develop improvement plans.

Members continue to enjoy access to the Knovel library via icheme.org. Usage was up by almost a quarter in 2012 with a growing number of members making use of free access to more than 300 chemical engineering texts and technical references.

The year of *tce*

tce continued to refresh its editorial offer by introducing a number of new series including *Engineering...*, and *Snapshot*. Key has been the new *Lessons Relearned* series that revisits the safety lessons of often-repeated industrial incidents; copyright has been waived, allowing readers to freely copy and redistribute the articles to help improve the understanding and safety of the wider community.

The IChemE member magazine also launched its *Graduate Supplement* last year. It featured a directory of employers with detailed company information relating to their core activities, HR contacts, holiday work opportunities and guidance on the core areas of knowledge which employers look for in graduates.

Proof that chemical engineering pays

IChemE's 2012 *Salary and Member Satisfaction Survey* proved that chemical engineering salaries are still on the rise. The best-paid chemical engineers can be found in the mining and minerals sector, closely followed by oil and gas exploration and production.

Chartered Chemical Engineers continue to out-earn their non-chartered counterparts with UK-based chemical engineers in their 30s being paid around £10,000/y more. The trends were similar elsewhere with Chartered Chemical Engineers in their mid 30s typically earning A\$32,000/y more than non-chartered

colleagues in Australia, and a RM130,000/y difference between the same groups in Malaysia, albeit on a much smaller sample size.

Graduate salaries remain competitive across UK and Ireland with a median starting salary of £28,000/y. Australia reported a median starting salary of A\$63,750/y and Malaysia RM61,400/y.

The online salary calculator, containing comparison data for both UK and Australia-based chemical engineers remains IChemE's most popular online resource amongst members.



Delegates at the *Fundamentals of Process Safety* training course in South Africa

Enabling chemical engineers to interact

IChemE enables chemical engineers to interact and communicate with each other and with other disciplines.

International conferences and events

IChemE's *Hazards XXIII* conference brought more than 380 delegates to Southport, UK, where process safety practitioners discussed many aspects of process safety management, research and legislation. Keynote speakers included IChemE deputy president and chair of the Great Britain Health and Safety Executive, Judith Hackitt, president of Baker Risk Engineering and Risk Consultants, Quentin Baker, and head of health, safety, security and the environment at BP, Steve Flynn. The event also marked the retirement of safety guru Trevor Kletz. Ninety-year-old Kletz was presented with a specially-commissioned caricature in recognition of his services to the industry.

Cagliari, Italy, hosted IChemE's *11th European Gasification conference*. The event considered the political and economic pressures facing the implantation of gasification technologies with keynote speakers from Saras and the Don Valley Power Project.

London, UK was home to the *22nd European Symposium in Computer Aided Process Engineering*

(*ESCAPE*) where more than 350 delegates discussed the latest developments in the field.

IChemE also staged its first *Nuclear Fuel Cycle Conference* in Manchester, UK last year. Led by IChemE's Nuclear Technology SIG, the event attracted more than 120 delegates.

IChemE continues to co-host *Chemeca*, Australasia's premier chemical engineering conference. *Chemeca 2012* took place in Wellington, New Zealand with more than 330 delegates in attendance. Plenary speakers included the President of Trinidad and Tobago, George Maxwell Richards; Russell Scott, IChemE president and chief executive officer of ThyssenKrupp Uhde Oil & Gas; and Ed Daniels, IChemE technical vice president and Shell executive vice president.

IChemE's Awards for Innovation and Excellence crossed the Atlantic for the first time, with a stand-alone North America Awards event run in addition to the established global awards and the national Singapore programme. See pages 14–15 for further details.

Making an impact

IChemE journals *Chemical Engineering Research and Design* (ChERD) and *Food and Bioproducts Processing* (FBP) reported a sharp impact factor increase. ChERD saw a year-on-year rise from 1.519 to 1.968 – the fifth consecutive increase. FBP increased from 1.207 to 1.940 over the same period. Meanwhile the impact factor of *Process Safety and Environmental Protection* (PSEP), which had previously seen a record increase to 1.453 has now dropped to 1.050.

Impact factors are calculated by dividing the number of citations of papers from a journal over a two-year period by the total number of papers published in the journal over the same period, and are an important tool for scientists and engineers when deciding where to publish their papers.

Facing the future

Leading UK chemical engineers from academia and industry gathered in Manchester, UK for a high level workshop assessing the state of chemical engineering research, degree curricula and skill requirements.

Facing the Future was led by past president, Sir William Wakeham and Manchester's head of department Mike Sutcliffe. Invited guests from Denmark, Germany and the USA brought an international dimension to the discussion.

James Lawrence, a PhD student from University College London, was awarded the 2012 Ashok Kumar Fellowship. He delivered a project focussing on maximising the value of recycled materials. The Ashok Kumar Fellowship – established in memory of the late UK parliamentarian and chemical engineer – is

funded jointly by IChemE and the North East of England Process Industry Cluster (NEPIC). The recipient spends three months at the UK Parliamentary Office of Science and Technology working on a chemical engineering-related research project.

IChemE also led a pilot study funded by the Royal Academy of Engineering and supported by the UK Department of Business, Innovation and Skills as part of a Diversity in Engineering programme. The project has focussed on identifying barriers to professional progression and gender balance within the senior levels of IChemE membership. The study concludes in 2013.

We undertook two further advisory service projects for the European Federation of Chemical Engineering and the Environment Agency.

Financial results

Total income for the year from unrestricted funds was £6.8m (2011: £6.2m) and IChemE closed the year ahead of budget to achieve net incoming resources of £228,000 (2011: £213,000).

Membership and accreditation income enjoyed modest growth, up to £2.9m (2011: £2.7m) although expenditure in this area also increased to £2.1m (2011: £1.9m).

There was significant growth in IChemE's events and training products portfolio for the second successive year with income up to £2.2m (2011: £1.8m).

Associated costs also increased to £1.8m (2011: £1.5m).

Balance sheets at 31 December 2012

	Group		Institution	
	2012 £000	2011 £000	2012 £000	2011 £000
Fixed assets				
Tangible assets	1,502	1,480	1,502	1,480
Investments	5,902	4,343	5,902	4,343
	7,404	5,823	7,404	5,823
Current assets				
Debtors	1,444	2,135	1,540	2,222
Short term cash investment	750	500	750	500
Cash at bank and in hand	1,343	1,658	1,317	1,552
	3,537	4,293	3,607	4,274
Creditors:				
Amounts falling due within one year	(2,628)	(2,370)	(2,604)	(2,317)
Net current assets	909	1,923	1,003	1,957
Total net assets before pension deficit	8,313	7,746	8,407	7,780
Pension scheme funding deficit	(2,377)	(1,646)	(2,377)	(1,646)
Total net assets after pension deficit	5,936	6,100	6,030	6,134
Income funds				
Fixed asset reserves	1,502	1,480	1,502	1,480
Free reserves	5,009	4,788	5,103	4,822
Pension reserves	(2,377)	(1,646)	(2,377)	(1,646)
Unrestricted funds	4,134	4,622	4,228	4,656
Restricted income funds	1,802	1,478	1,802	1,478
	5,936	6,100	6,030	6,134

The results relate to the continuing activities of the Institution

Council's statement on the summarised financial statements

These summarised financial statements are a summary of information extracted from the statutory Council's report and consolidated financial statements. They may not contain sufficient information to allow for a full understanding of the financial affairs of the Institution. For further information, the full consolidated financial statements, the auditors' report on those consolidated financial statements and the Council's report should be consulted. Copies of these can be obtained from the finance department at Rugby by email: jdownham@icheme.org.

The consolidated financial statements were approved on 15 April 2013 and will be delivered in due course to the Charity Commission. The consolidated financial statements have been audited by a qualified auditor, BDO LLP, which gave an audit opinion that was unqualified and did not include a statement

required under regulation 6 (2) (f) of The Charities (Accounts and Reports) Regulations 1995.

On behalf of the Council



Russell Scott
President



K E Batchelor
Honorary treasurer

Independent Auditors' statement to the Council of the Institution of Chemical Engineers

We have examined the summary financial statements for the year ended 31 December 2012 set out on pages 12 to 13.

Consolidated statement of financial activities for the year ended 31 December 2012

	2012			2011		
	Unrestricted funds	Restricted funds	Total	Unrestricted funds	Restricted funds	Total
	£000	£000	£000	£000	£000	£000
INCOMING RESOURCES						
Incoming resources from generated funds:						
Donations & legacies	64	258	332	61	1,000	1,061
Activities for generating funds						
Trading income	670	-	670	687	-	687
Investment income	96	7	103	63	-	63
Incoming resources from charitable activities:						
Membership and accreditation	2,860	-	2,860	2,720	-	2,720
Publishing and information services	664	-	664	618	-	618
Events and training products	2,229	-	2,229	1,794	-	1,794
Networks	133	-	133	182	-	182
Policy and influence	75	-	75	29	-	29
Technical centres	-	249	249	-	247	247
Total incoming resources	6,791	514	7,305	6,154	1,247	7,401
RESOURCES EXPENDED						
Costs of generating funds:						
Trading activities	(187)	-	(187)	(143)	-	(143)
Charitable activities:						
Membership and accreditation	(2,118)	-	(2,118)	(1,924)	-	(1,924)
Publishing and information services	(1,348)	-	(1,348)	(1,352)	-	(1,352)
Events and training products	(1,781)	-	(1,781)	(1,488)	-	(1,488)
Networks	(344)	-	(344)	(441)	-	(441)
Policy and influence	(754)	-	(754)	(540)	-	(540)
Technical centres	-	(230)	(230)	-	(236)	(236)
ICChemE Foundation	-	-	-	(18)	-	(18)
Governance costs:	(31)	-	(31)	(35)	-	(35)
	(6,376)	(230)	(6,606)	(5,798)	(236)	(6,034)
Total resources expended	(6,563)	(230)	(6,793)	(5,941)	(236)	(6,177)
Net incoming resources	228	284	512	213	1,011	1,224
Net (losses)/gains on investment assets	175	40	215	(268)	-	(268)
Pension scheme actuarial (losses)/gains	(891)	-	(891)	(974)	-	(974)
Net movement in funds	(488)	324	(164)	(1,029)	1,011	(18)
Fund balances brought forward at 1 January	4,622	1,478	6,100	5,651	467	6,118
Fund balances carried forward at 31 December	4,134	1,802	5,936	4,622	1,478	6,100

Respective responsibilities of trustees and auditors

The Council are responsible for preparing the Annual review in accordance with applicable United Kingdom law.

Our responsibility is to report to you our opinion on the consistency of the summary financial statement within the summarised Annual review with the full annual financial statements and the Council's Report.

We also read the other information contained in the summarised Annual review and consider the implications for our report if we become aware of any apparent misstatements of material inconsistencies with the summary financial statement. The other information comprises only the Chief Executive's statement and the Review of Activities.

Our report has been prepared pursuant to the requirements of the Charities Act 2011 and for no other purpose. No person is entitled to rely on this report unless such a person is a person entitled to rely upon this report by virtue of and for the purpose of the Charities Act 2011 or has been expressly authorised to do so by our prior written consent. Save as above, we do not accept responsibility for this report to any other person or for any other purpose and we hereby expressly disclaim any and all such liability.

Basis of opinion

We conducted our work in accordance with Bulletin 2008/3 'The auditors' statement on summary financial statement in the United Kingdom' issued by the Auditing Practices Board. Our report on the charity's full annual financial statements describes the basis of our opinion on those financial statements and on the Council's Report.

Opinion

In our opinion the summary financial statements are consistent with the full annual financial statements and the Council's Report of the Institution of Chemical Engineers for the year ended 31 December 2012.

BDO LLP Statutory auditor

Birmingham, UK

15 April 2013

BDO LLP is a limited liability partnership and is registered in England and Wales (with registered number OC305127)

Medals, prizes and awards

Ambassador Prize

Mike Fox
Carl Scarlett

Andrew Medal

Chris Hardacre

Brennan Medal

Martin Kilcross

Chemeca Medal

Barry Welch

Council Medal

David Shallcross

Donald Medal

Nigel Titchener-Hooker

Greene Medal

Brian Songhurst

Hanson Medal

Henk Oosterdijk and Taco Hoencamp

Hutchinson Medal

Rui Sousa, Songsong Liu, Lazaros Papageorgiou and Nilay Shah

Lees Medal

Jill Wilday, Nicola Paltrinieri, Régis Farret, Jérôme Hebrard, Leo Breedveld

Loftus Medal

Arnold Black

Macnab Lacey Prize

University of Manchester

Morton Medal

Ed Byrne and Martin Pitt

Senior Moulton Medal

Tarrant Falcke, Andrew Hoadley, David Brennan and Sarah Sinclair

Junior Moulton Medal

Chandni Patel, Paola Lettieri and Antonino Germanà

For information about past winners and eligibility criteria, visit www.icheme.org/medals



2012 Singapore Award winners



North America Award winners:
Mike Snyder (Dow Corning) and Nishit Doshi (University of California, US)



Health and Safety Award winner:
GlaxoSmithKline



Innovator of the Year Award winner:
Martin Tangney



Food and Drink Award winner:
Aurecon

International Innovation and Excellence Awards

Outstanding Achievement in Chemical Engineering Award

GlaxoSmithKline with project partners GEA, Siemens, Sagentia and the Universities of Newcastle, Warwick and Surrey.

Bioprocessing Award

Renmatix

Chemical Engineering Project of the Year Award

GlaxoSmithKline with project partners GEA, Siemens, Sagentia and the Universities of Newcastle, Warwick and Surrey.

Core Chemical Engineering Award

Sellafield Ltd

Education and Training Award

Air Products

Energy Award

SSE

Food and Drink Award

Aurecon

Health and Safety Award

GlaxoSmithKline

Innovation for Resource-Poor People Award

Monash University

Innovative Product Award

Huntsman Pigments

Innovator of the Year Award

Martin Tangney, Celtic Renewables

Nuclear Innovation Award

Sellafield Ltd

Sustainable Technology Award

SUSOP®

Water Management and Supply Award

University of Southampton

Young Chemical Engineer of the Year Award

Denny KS Ng, University of Nottingham (Malaysia Campus)

North America Innovation and Excellence Awards

Safety Award

Dow Corning

Young Chemical Engineer of the Year Award

Nishit Doshi, University of California

Singapore Innovation and Excellence Awards

Education and Training Award

Singapore Polytechnic

Process Safety Award

Worley Parsons

Pharmaceutical and Speciality Chemical Award

Institute of Chemical and Engineering Sciences

Young Chemical Engineer of the Year

Sun Shipeng, National University of Singapore

Sustainable Technology Award

Ngee Ann Polytechnic

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