

Invest your time

The annual gathering of like-minded individuals within healthcare engineering and estate management is nearly upon us once again, and I urge you to invest your time to attend IHEEM's flagship event. With so many changes having occurred within healthcare, and more in the pipeline, do please join your fellow professionals in Manchester (from 8-9 October) to listen to key speakers, meet sector leaders, network with colleagues, and see what new and emerging tools, techniques, and technologies, are available to help you meet current challenges.

The Institute has been working hard with Step, our partners, to compile an impressive and comprehensive conference programme (see pages 88-89), exhibition, and additional activities, to ensure that all attendees can gain a valuable insight into likely future challenges. We have listened to previous years' feedback, and there are distinct streams to this year's Conference over the two days, which include Engineering, Research & Development, Energy, Design & Construction, Estates & Facilities Management, plus others; see www.healthcare-estates.com for the latest details.

This year's theme is 'Putting positive energy into Healthcare', and so strong is the event's reputation that we have been able to attract senior figures from the NHS, respected academics, and industry leaders,

all keen to share their experiences, views, and opinions, with delegates. Combine this with an exciting exhibitor array, and experts showcasing their ideas, innovations, and experiences, and Manchester will again be the focal point for the industry in 2013. This theme has been carried through to the Annual Dinner, where a truly motivational speaker is lined up.

With the success of the Product Showcases on the exhibition floor last year, 2013 will see dedicated theatres covering Sustainability, Architects and Contractors, Energy, plus an *HEJ* New Products theatre. Many of the sessions will be CPD-accredited, providing the chance to see, first hand, all that is new in healthcare estates and engineering. We are also trialling a new concept for estates directors entitled 'The Worry Pit' – an interactive opportunity to share concerns around the continued delivery of estates and facilities services in the current challenging environment.

There will also be opportunities to discuss membership and registration with IHEEM staff, and to attend the Institute's AGM, on the evening of Day One.

In summary, Healthcare Estates is the place to be this autumn. Reserve the dates in your diary, and book your place. I look forward to welcoming you.

Greg Markham
President, IHEEM

CONTENTS

Conference programme 88

Plenty to talk about in Manchester 91

A recently unveiled Department of Health-driven Procurement Development Programme, further initiatives to cut the NHS's carbon footprint, and to 'uncover' further cost-saving opportunities in the operation and maintenance of healthcare buildings, and the drive to further improve infection control, will be among the topics for debate at this year's Healthcare Estates. Our show preview's opening article describes some of the key conference and exhibition highlights.

Exhibitor list and floorplan 94

Exhibition preview 97

A guide to the products, technology, and services, on show this year from over 180 exhibiting companies.

Organised by



Exhibition organised by



©Step Exhibitions Ltd 2013

Neither the Organiser nor the Publisher is able to take any responsibility for views expressed by contributors. Editorial views are not necessarily shared by the Organiser/Publisher. Readers are expressly advised that whilst the contents of this publication are believed to be accurate, correct and complete, no reliance should be placed upon its contents as being applicable to any particular circumstances. Any advice, opinion or information contained is published only on the footing that The Institute of Healthcare Engineering and Estate Management, its servants or agents and all contributors to this publication shall be under no liability whatsoever in respect of its contents.

Cover Story

Instant hot water, fast and conveniently

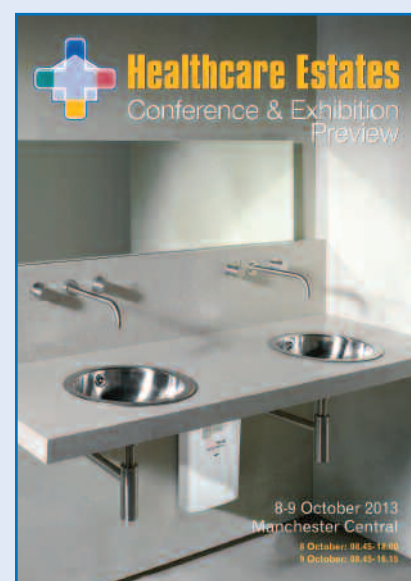
In larger buildings, such as hospitals, offices, and schools, with multiple handwashing, drinking, bathroom, or kitchen facilities to provide for, effective heating, safe storage, and hygienic delivery, of hot water become key issues.

According to Zip Heaters, a specialist in instant boiling and chilled filtered water systems, opting for point-of-use heating in such situations can offer 'a host of benefits' in terms of energy efficiency, and the safe delivery of hot water.

Jon Steedman, commercial manager, Zip Heaters UK, said: "When upgrading a building, or assessing where savings can be made, it can often seem simpler to work with a more traditional system, particularly if it is already in place. However, as energy prices continue to increase, the extensive pipework required, and the distance pre-heated

water often needs to travel before use with these systems, inevitably causes inefficiencies, with heat being lost along the length of flow and return pipework.

"With point-of-use systems, the water is heated exactly where it is needed, with the obvious advantage of cutting heat loss. Such a system also eliminates the need for unsightly pipework, particularly in older buildings, while for phased refurbishments, it means you can almost 'add as you go'. With the water heated where and when needed, the risk of *Legionella* – so often associated with conventional water heating methods – is greatly reduced, while for handwashing, water temperature can be controlled without the need for thermostatic blending valves. Add to the mix sensors, and you have a complete, 'no touch, no water storage' system that is hygienic, flexible, and energy-efficient."



Zip Heaters (UK) Ltd
14 Bertie Ward Way
Dereham
Norfolk NR19 1TE
Tel: 0845 6 005 005
www.zipheaters.co.uk

Conference programme

Tuesday 8 October



08.45-9.30	Registration, Coffee and Exhibition Networking
09.30-10.45	Welcome Address: Greg Markham, <i>President, IHEEM</i>
	Keynote addresses: Walking Tall – Simon Weston OBE, <i>Falklands War veteran and hero</i> ; Delivering the integrated energy solution for public sector users – John Nangle, <i>Crown Commercial Lead for Energy, Cabinet Office</i> ; NHS Trust Development Authority, Estates and Facilities, Priorities going forward – David Flory, <i>Chief Executive, NHS Trust Development Authority</i>
10.45-11.15	Coffee and Exhibition visit

11.15-12.30

Research & Development	Design & Construction	Estates & Facilities Management
<ul style="list-style-type: none"> How to measure the impact of energy efficiency behaviour change interventions in hospitals? – Paula Morgenstern, <i>University College London (UCL)</i> Virtual to reality: simulation modelling in health facilities – Brandy Olson, <i>HDR</i> Bringing people and technology together to deliver more with less – Michael Smeeth, <i>GE, and Barts Health NHS Trust</i> The Healthy City – John Ashton, <i>Faculty of Public Health of the Royal Colleges of Physicians</i> An alternative method to UV methods of disinfection: Can visible-violet decontamination improve room ventilation efficiency? – Prakash Sarnobat, <i>Welsh School of Architecture, Cardiff University</i> 	<ul style="list-style-type: none"> Impact of the hospital environment on paediatric care – Paul Rushton, <i>IBI Group</i> The role of a hospital in repairing the urban fabric – David Lewis, <i>NBBJ Ltd</i> Panel Discussion 	<ul style="list-style-type: none"> Premises Assurance Model update: Discussion Group – Paul Roberts, <i>NHS Estates & Facilities Policy Division</i>; Panel: Clare Dalley, <i>Manchester Mental Health and Social Care Trust</i>; Lisa Geary, <i>Capsticks</i>; Justin Pereira, <i>Barts Health NHS Trust</i>; Simon Corben, <i>Capita</i>; Brian Johnston, <i>Finegreen Associates</i>
12.30-14.00	Lunchtime Round Tables, Lunch, and Exhibition Visit	
13.30-14.00	<ul style="list-style-type: none"> ProCure21+ Workshop – Alan Kondys, <i>Framework Director, Integrated Health Projects</i>; David Kershaw, <i>P21+ Programme Director, Balfour Beatty</i>; Omar Jomeen, <i>Programme Manager, Miller HPS</i> 	

14.00-15.30

Engineering	Estates & Facilities Management	Design & Construction	Infection Prevention
<ul style="list-style-type: none"> Modern boiler house technology explained – Paul Mayoh, <i>Spirax Sarco</i> Gas safety in facilities management – Trevor Batt, <i>CORG</i> Sustainability strategy: standby diesel generators – Geoff Halliday, <i>Power Electrics Generators</i> Panel Discussion 	<p>Led by NAHFO</p> <ul style="list-style-type: none"> Mitigating Fire Risk – James Lavender, <i>BRE</i> Healthcare and the Fire Safety Order – Warren Spencer, <i>Blackhurst Budd Associates</i> Healthcare Fire Safety Question Time – Panel of Experts: Chairman, Tommy Spencer, <i>National Chair, NAHFO</i>; Panel: Derek Bond, <i>Chair, North-West Branch, NAHFO</i>; James Lavender, <i>BRE</i>; Warren Spencer, <i>Blackhurst Budd Associates</i>; Paul Roberts, <i>NHS Estates & Facilities Policy Division, Department of Health</i>; Steve Kenyon, <i>Greater Manchester Fire and Rescue Service</i> 	<p>Led by AfH</p> <ul style="list-style-type: none"> Modern environments for dementia and mental health services – Chairman: Susan Francis, <i>Architects for Health</i> Mental health inpatient services: Design by evidence – Andrew Simpson, <i>Programme Director, Springfield</i>; Teva Hesse, <i>CF Moller</i> Dementia in Clapham – Stephanie Brada, <i>Willmott Dixon Construction Ltd</i> 	<ul style="list-style-type: none"> Environmental containment during construction and renovation: Steps to compliance with the infection control risk assessment – Michael Rollins, <i>Rollins Consult</i> Revised Programme of interventions for the Control of <i>Legionella</i> Risks in Workplaces – Paul McDermott, <i>Health and Safety Executive</i> Revision of L8: Legionnaires Disease: The Control of <i>Legionella</i> Bacteria in Water Systems: Approved Code of Practice and Guidance – John Newbold and Lorraine Medcalf, <i>Health and Safety Executive</i> The incidence and control of <i>Pseudomonas aeruginosa</i> in augmented care units – Tom Makin, <i>Envirocloud Ltd</i>; Dr Tom Makin, <i>Makin & Makin Consultancy Ltd</i> Panel Discussion

15.30-16.00 Coffee and Exhibition Visit

16.00-17.00

Engineering	Energy Savings & Solutions	Design & Construction	Infection Prevention
<ul style="list-style-type: none"> Succession planning and workforce development in healthcare engineering and estate management – John Thatcher, <i>Eastwood Park</i> How CHP, coupled with efficient technologies, can reduce costs and cut emissions without affecting your balance sheet – Tony McDermott, <i>ENER-G Combined Power Ltd</i> Panel Discussion 	<ul style="list-style-type: none"> How to make significant energy savings with minimal capital expenditure – Brett Goodyear, <i>EP&T Global</i> Leveraging the RHI within healthcare – Chris Davidson, <i>GI Energy</i> The hidden biology that affects hospital health and energy costs – Emmett O'Callaghan, <i>CPA Total Engineered Solutions</i> Panel Discussion 	<p>Led by AfH</p> <ul style="list-style-type: none"> How Can We Do More with Less? – Chris Shaw, <i>Executive Member, AfH</i>; John Cooper Chair, <i>AfH</i> 	<ul style="list-style-type: none"> Validation of an endoscope drying cabinet for extended storage of non-channelled endoscopes: A clinical perspective – Caroline Conneely, <i>Children's University Hospital Dublin</i> Water testing for <i>Pseudomonas aeruginosa</i> – Miles Denton, <i>Leeds Teaching Hospitals NHS Trust</i> Future healthcare ventilation: tackling energy and infection control needs – Dr Catherine Noakes, <i>Faculty of Engineering, University of Leeds</i> Panel Discussion

17.00-8.00 Reception sponsored by Cynergis Consultants Ltd

19.30-23.00 IHEEM Awards Dinner, with guest speaker, Mark Colbourne MBE

The conference and exhibition details contained with this show preview were correct at the time of this issue of *HEJ* going to press.

Wednesday 9 October

08.00-09.00	Breakfast Roundtables
08.45-09.45	Registration, Coffee, and Exhibition Networking
09.45-10.00	Welcome, Greg Markham President, IHEEM
10.00-11.00	Keynote addresses: An Indian perspective of performance and productivity improvements in healthcare – Dr R Chandrashekhar, Chief Architect, Indian Ministry of Health and Family Welfare; Estates and facilities assurance to support future regulatory process – Peter Sellars, Head of Profession – NHS Estates and Facilities Policy Division, Group Operation and Assurance Directorate, Department of Health; Question Time Panel Session: Clive Natrass, CEO, CEF; John Cooper, chair, AfH; Roderick Pettigrew, Chief Executive, B&ES
11.00-11.30	Coffee and Exhibition Visit

11.30-12.30

Engineering	Energy	Design & Construction	Property & Premises Management
Led by B&ES <ul style="list-style-type: none"> Why do so many buildings disappoint their owners and occupants? – Chairman: David Frise, <i>Head of Sustainability, Building & Engineering Services Association (B&ES)</i>; Speakers: Paul Hancock, <i>chairman, B&ES Technical Committee, Laing O'Rourke</i>; Mark Stanton, <i>Key Account Director, Trend Controls</i>; Mike Malina, <i>Director, Energy Solutions Associates</i> 	Led by Carbon and Energy Fund <ul style="list-style-type: none"> My CHP is not working – Panel: Martyn Jeffery, <i>Royal Free Hospital Trust</i>; Robert Anderson, <i>Director of Facilities, Heart of England NHS Foundation Trust</i>; Stephen Lansdown, <i>Hill Dickinson Solicitors</i>; Steve Taylor, <i>Ex-Director of Estates, Southport and Ormskirk, and CEF Trustee</i> My contractor has folded – Panel: Martyn Jeffery, <i>Royal Free Hospital Trust</i>; Stephen Lansdown, <i>Hill Dickinson Solicitors</i>; Steve Taylor, <i>Ex-director of Estates, Southport and Ormskirk, and CEF Trustee</i> My carbon and energy prices are rocketing – Panel: Martyn Jeffery, <i>Royal Free Hospital Trust</i>; Robert Anderson, <i>Director of Facilities, Heart of England NHS Foundation Trust</i>; Steve Taylor, <i>Ex-director of Estates, Southport and Ormskirk, and CEF Trustee</i>; Stephen Lowndes, <i>Technical Director, CEF</i> We have Invested £m, but our bills don't seem to have come down' – Panel: Martyn Jeffery, <i>Royal Free Hospital Trust</i>; Robert Anderson, <i>Director of Facilities, Heart of England NHS Foundation Trust</i>; Stephen Lowndes, <i>Technical Director, CEF</i>; Steve Taylor, <i>Ex-director of Estates, Southport and Ormskirk, and CEF Trustee</i> My energy centre poses a major risk, and I cannot get support for critical investment' – Panel: David Mackey, <i>Commercial Director, CEF</i>; Martyn Jeffery, <i>Royal Free Hospital Trust</i>; Steve Taylor, <i>ex-director of Estates, Southport and Ormskirk, and CEF Trustee</i>; Tim Pryce, <i>Head of Carbon Management, Carbon Trust</i> 	<ul style="list-style-type: none"> Building information modelling for the NHS – Keith Snook, <i>BRE</i> Amtech BIM and asset management: A focus on reality – Gary Ross, <i>Amtech Group Ltd</i> Townend: Positive, inclusive vision for learning disability – Alessandro Caruso, <i>Gelder and Kitchen LLP</i>; Miles Thomas, <i>Simons Group</i>; Rob Atkinson, <i>Humber NHS Foundation Trust</i> Panel discussion 	<ul style="list-style-type: none"> Know your estate: The benefits of proactive management of critical infrastructure risks, and the dangers of inadequate investment – Peter Wearmouth, <i>Capita</i> Unlocking value across the NHS estate – Stephen Collinson, <i>Ryhurst</i> Reconfiguration and Refurbishment: innovative solutions – Simon Corben, <i>Capita</i> Achieving best value for surplus NHS estate; how to positively engage with the planning system – David Diggle, <i>Turley Associates</i> Panel discussion

Conference 'Fringe events'

8 October

- 11.15-12.30 Led by Design in Mental Health Network
- Impact of Sustainability on Mental Healthcare – Chairman: Peter Ball, *Red Tent*; Speakers: Professor Karim Hadjiri, *Grenfell-Baines School of Architecture, Construction and Environment, University of Central Lancashire*; Joe Forster chairman, *Design in Mental Health Network*; Richard Wilson, *Couch Perry Wilkes LLP*
- 16.00-17.00 Led by Dementia Design School
- Design for Dementia: Getting it Right – Speakers: Emeritus Professor Mary Marshall, *University of Stirling*; Annie Pollock, *Dementia Services Development Centre, University of Stirling*

9 October

- 11.30-12.30 NAHFO-led Workshop:
- Fire? Go find the Fire Yourself! – Speaker: Alan Raynor, *NAHFO*.
 - Shut That Door – Speaker: Martyn Keenan, *Honeywell*.
 - Interactive fire safety management – large healthcare estates – Speakers: Craig English and Darren Mitchell, *WSP*

12.30-13.45	Lunchtime Round Tables, Lunch, and Exhibition Visit
13.45-14.30	<ul style="list-style-type: none"> Estates Directors Worry Pit – Chairman: Darryn Kerr, <i>St James's University Hospital Leeds</i>; Panel: Howard Jones, <i>Director of Estates and Facilities, Royal Hospital Bath NHS Trust</i>; John Wilkes, <i>Director of Facilities, Pennine Acute Hospital NHS Trust</i>; Trevor Payne, <i>Director of Estates and Facilities, Barts Health NHS Trust</i> Development of an estates and facilities managers' Performance Dashboard – Cliff Price, <i>Managing Director, CPA Solutions</i>; John Simpson, <i>Director of Estates and Facilities, Nottingham University Hospitals NHS Trust</i>

14.30 – 15.30

Engineering	Energy	Design & Construction	Estates
<ul style="list-style-type: none"> Operating theatre optimisation and HTM 03-01, an NHS CO₂ reduction and cost-saving opportunity – Darren Jones, <i>Low Carbon Europe</i> Facilities management and maintenance procurement – Neil Earnshaw, <i>Constructing Solutions</i> On-site waste-to-energy solutions – Nick Palmer, <i>DPS Global</i> Panel discussion 	Led by Carbon and Energy Fund <ul style="list-style-type: none"> I am sorry, your energy project just 'isn't good enough' – Panel: David Mackey, <i>Commercial Director, CEF</i>; John Nangle, <i>Crown Commercial Lead for Energy, Cabinet Office</i>; Kathryn Dapr�, <i>Energy and Environmental lead, Health Facilities Scotland</i>; Richard Murphy, <i>Managing director, TEC (The Energy Consortium)</i>; Stephen Lowndes, <i>Technical Director, CEF</i> 	<ul style="list-style-type: none"> Make do and mend: A new benchmark for exemplary design – Jane Willis, <i>Willis Newson</i>; Andy Headdon, <i>UH Bristol NHS Foundation Trust</i> Optimising hospital designs for people flow: journey mapping and simulations – Dr Shrikant Sharma, <i>Buro Happold Ltd</i> Panel discussion 	<ul style="list-style-type: none"> The Salford Model for productive FM – Jonathan Gilmore, <i>The BIRCH Foundation & Salford Royal NHS Foundation Trust</i> Smarter Estates – Dave Pitman, <i>Arup</i> Improving quality, reducing costs – Sean Caldwell, <i>DAC Beachcroft Health</i> Efficient lighting that meets patient and staff needs – Dr Paul Littlefair, <i>BRE</i>

15.30-16.00	Coffee and Exhibition Visit
15.45	Closing address: Greg Markham, IHEEM President
16.15	Close of Conference and Exhibition

Plenty to talk about in Manchester

HEJ reports on next month's Healthcare Estates 2013 conference and exhibition in Manchester, focusing on some of the key topics set to be discussed throughout a packed two-day programme at this year's flagship IHEEM annual event, and highlights some of the main show features.



When Healthcare Estates 2013 opens its doors to visitors in Manchester next month (the event is being held from 8-9 October at Manchester Central), the radical new procurement blueprint unveiled early last month by Health Minister, Dr Dan Poulter, for how the NHS buys and funds everything from rubber gloves and stitches, to building work and temporary staff, will be among the major talking points.

The new 'Procurement Development Programme for the NHS: Better Procurement, Better Value, Better Care', published on 5 August (see also page 11), encourages NHS hospitals to radically change the way they buy supplies, goods, and services, as well as how they manage their estates, the goal being to 'find' over £1.5 billion in procurement efficiencies over the next three years.

Leveraging NHS buying power

Interestingly, one of the keynote speakers on Day One of this year's conference, (see pages 88-89 for the full programme), is John Nangle, Crown Commercial Lead for Energy at the Cabinet office. He will be 'outlining a vision' of how the NHS might integrate the supply of gas and electricity sourced under a centralised supply framework, operated by the likes of the Government Procurement Service or TEC, with energy-saving solutions and programmes developed by organisations such as the Carbon and Energy Fund

How estates and facilities teams UK-wide can continue to find the savings required by the Government and the Exchequer, while also ensuring that hospitals, care homes, and other healthcare facilities, continue to have a 'clean, safe, and suitable' treatment environment, will indeed be a theme reflected in many of the presentations, seminars, workshops, and other events, being staged throughout the two-day show.



Manchester Central, centrally located at the heart of the city, is again the venue for the Healthcare Estates conference and exhibition.

Wide-ranging topics

Topics covered will thus range from how to make energy savings, cut utility bills, and maximise the performance and efficiency of building engineering services and plant, to new benchmarks for design and construction, plus examples of 'smarter estates', efficient lighting, infection prevention, and property and premises management.

Setting the scene

Event director, Steve Webb, said: "Our opening conference plenaries on day 1 and day 2 will set the scene for the changes required in the healthcare sector to ensure that patients continue to be cared for in fit-for-purpose environments, but against a backdrop where, with an ageing demographic, demand for healthcare is set to increase, and cost savings will become ever-more important in making the optimal use of scarce financial resources." Alongside John Nangle, another keynote speaker will be David Flory, the Chief

Executive of the NHS Trust Development Authority, who will highlight 'The priorities going forward for estates and facilities departments'.

An Indian perspective

On the conference's second day the opening plenaries will begin with an address by Dr R Chandrashekar, Chief Architect at India's Ministry of Health and Family Welfare, giving an Indian perspective on 'Performance and productivity improvements in healthcare', and focusing particularly on a massive programme of healthcare construction and refurbishment set to take place over the next few years, among whose goals is to address the significant inequalities in healthcare provision in different parts of this vast country.

In the keynote that follows, Peter Sellars, head of profession at the NHS Estates and Facilities Policy Division at the Department of Health, will bring matters back closer to home in a presentation entitled 'Estates



Tuesday 8 October

Exhibition programme

	Health Estate Journal Product Theatre	NHS Sustainability Theatre	Contractors' & Architects' Theatre
10.30-11.00	TBC	TBC	Architects for Health – Rosemary Jenssen
11.15-11.45	Infrared building thermography – Seeing energy loss – <i>Stewart Little, IRT Surveys</i>	(11.45 – 12.45) Measuring the sustainable performance of existing NHS estate buildings using BREEAM In-Use: An overview of the pilot with Barts Health NHS Trust – <i>Charlotte Hardy & David Scouler, BRE</i>	TBC
12.15-12.45	Cost-effective, energy-efficient, fully compliant self-testing emergency lighting by P4 FASTEL – <i>Alan Daniels, P4</i>		Implementation of BIM in the healthcare sector – <i>Construction Industry Council</i>
LUNCH			
14.15 -14.45	<i>Pseudomonas & Legionella</i> ; Manufacturers listening to end-users and acting quickly to address their requirements – <i>Ian Helmore, Steri-Spray, & TBC, Belfast NHS Trust</i>	New Building Regulations Part L, and the NHS energy and carbon reduction strategy – <i>Jose Hernandez, Pick Everard</i>	Nature, Art and Design: South West Acute Hospital, Enniskillen, an award-winning sustainable building on a site of outstanding natural beauty – <i>Catherine Zeliotis & Velimira Drummer, Stantec</i>
15.00-15.30	Avoiding corrosion problems in heating and chilled water systems – <i>Steve Munn, Midland Corrosion Services Ltd</i>	The responsible sourcing and environmental impacts of materials (LCA) for the NHS – <i>Katie Livesey, BRE</i>	BIM in the NHS: The architect's perspective – <i>Sean Kember and Guy Brookes, Gilling Dod Architects</i>
16.00-16.30	BOS specialist steel door frames; an essential component in doorset technology, and an effective interface with intelligent building solutions – <i>Matthew Jones, BOS GmbH Best Of Steel</i>	TBC	TBC
Wednesday 9 October			
10.30-11.00	Risks/solutions to self-certification in critical LV building systems – <i>Eoin Leonard, I3PT</i>	Fire risks through the introduction of Microgen – <i>James Lavender, BRE</i>	Better Bedroom update – <i>Jenny Gill, Design in Mental Health Network</i>
11.15-11.45	PyroPure-clinical destruction with energy recovery – <i>Neil Holland, QCR Recycling Equipment</i>	TBC	Ensuring better healthcare building design; an introduction to the DSDC dementia design audit tool for hospitals – <i>Richard Pollock, DSDC</i>
12.15-12.45	Cost-effective, energy-efficient, fully compliant self-testing emergency lighting by P4 FASTEL – <i>Alan Daniels, P4</i>	Efficient lighting that meets patient and client needs – <i>Dr Paul Littlefair, BRE</i>	The Design Quality Indicator – <i>Construction Industry Council</i>
LUNCH			
14.00-14.30	LED Overview: Truths and Myths – <i>Joseph Smith, TamLite Lighting</i>	Building Information Modelling for the NHS – <i>Keith Snook, BRE</i>	TBC

and Facilities Assurance to Support Future Regulatory Processes', including a focus on the benefits to NHS estates teams of using the revised NHS Premises Assurance Model published this year.

To provide delegates with a wide range of choice, the main conference programme this year is split into key streams, allowing delegates to attend sessions focused on the following areas:

- Engineering.
- Design and construction.
- Research and development.
- Estates and facilities.
- Energy-savings solutions.
- Infection prevention.
- Property and premises management.

Impact of behaviour change

Steve Webb said: "One of the sessions that looks especially interesting on Day One, given the current major focus on carbon

and energy reduction, will be 'How to measure the impact of energy efficiency behaviour change interventions in hospitals?', with the speaker being Paula Morgenstern, of University College London." This session, part of the Research & Development stream, will examine 'How considerable energy savings can be achieved through changes in user behaviour'. The speaker says that, while the impact of 'interventions' targeting user behaviour is 'comparatively well understood in domestic settings', measured energy savings following such 'interventions' in 'organisations' (such as the NHS) vary between 1 and 12 % for heating, and 5%-15% for electricity, while simulations claim a potential of up to 20% could be achieved. Paula Morgenstern adds: "Apart from the continued infrequency of behavioural energy efficiency interventions in organisations,

the prevalent reason for this uncertainty seems to be the lack of a clear framework for their evaluation."

Within this conference stream other presenters will discuss some of the energy efficiency behaviour change interventions in organisations in general, and hospitals in particular, with special attention devoted to how the 'success' of such initiatives has been evaluated so far (see also *HEJ* – August 2013). Results from a number of UK hospitals currently undertaking energy awareness campaigns will be presented, and the problems with their evaluation outlined.

Looking at CHP

In the Engineering stream, meanwhile, delegates will be able to hear from Tony McDermott, of ENER-G Combined Power, on 'How CHP, coupled with efficient technologies, can reduce costs, and cut



Tuesday 8 October

Energy Theatre

- 09.15-09.45 CEF Bidders 'teach-in' – *Clive Natrass, CEF*
- 09.50-11.00 Carbon and Energy Fund NHS training session – *Clive Natrass, CEF*
- 11.05-11.35 Sizing CHP in the CEF: The importance of data – *Tony McDermott, ENER-G Combined Power Ltd*
- 11.45-12.15 Client benefits of the CEF: Yeovil and Warrington – *Keith Nord, Howard Stone, Cynergis*
- 12.30-13.00 Energy security for healthcare – *Mike Sewell, Dalkia*
- LUNCH**
- 14.00-14.30 Self-funding investment in energy saving for healthcare estates – *Richard Scott, E.ON Connecting Energies*
- 14.45-15.15 Energy Performance Contracting: What we have learnt from working with eight NHS Trusts – *Chris Barrass, British Gas*
- 15.20-15.50 Carbon and Energy Fund & Partners Q&A Session – *Led by CEF*
- 16.15-16.45 Making buildings fit for purpose – *Mike Malina, Energy Solutions Associates*

Wednesday 9 October

- 09.45-10.15 *Enersol Corporation*
- 10.30-11.00 How the NHS can better exploit an energy-saving asset – *John O'Leary, Trend Control Systems*
- 11.15-11.45 Energy solutions – *Nigel Poole, Spirax Sarco*
- 12.15-12.45 Delivering more with less in a difficult environment. Bringing technology, people, and funding together to deliver risk-free results – *Michael Smeeth, GE; Fiona Daly, Barts Health NHS Trust*
- LUNCH**
- 14.00-14.30 Introducing you to the world's first CO₂ two-stage compressor, featuring a combination of rotary and scroll compression cycles – *Herve Mariage, Mitsubishi Heavy Industries Air Conditioning Europe*



Some of the speakers at this year's Healthcare Estates (from left): John Nangle, Crown Commercial Lead for Energy at the Cabinet Office; Paula Morgenstern of University College London; David Flory, Chief Executive, NHS Trust Development Authority; and Dr R Chandrashekar, Chief Architect at India's Ministry of Health and Family Welfare.

emissions, without affecting the balance sheet'.

Free-to-attend presentations

Healthcare Estates indeed offers visitors a large number of learning opportunities over the event's two full days, with many of the sessions free-to-attend.

Steve Webb adds: "The various breakout streams and 'fringe events' will cover a wide range of topics and content, while the four 'theatres' on the exhibition floor will enable visitors to 'drop in' to hear half-hour 'snapshot' presentations on key subjects. (See pages 92-93 for details; the latest programmes are also available on the Healthcare Estates website, at www.healthcare-estates.com)

All the presentations in the 'theatres' are free-to-attend, and are hosted by key organisations, hospitals and healthcare centres, and exhibitors.

The four theatres this year are:

- The Contractors' & Architects' Theatre – supported by Architects for Health.
- The Energy Theatre – supported by the Carbon and Energy Fund.
- The *Health Estate Journal* Product Theatre – supported by IHEEM.
- The NHS Sustainability Theatre – supported by BRE.

Steve Webb said: "Among the wide range of theatre presentations not to miss over the two days will be: 'BIM in the NHS – The architect's perspective', '*Pseudomonas* and *Legionella*'; manufacturers listening to end-users and acting quickly to address their requirements', 'Energy security for healthcare', 'Self-funding investment in energy saving for healthcare estates', and 'Efficient lighting that meets patient and client needs'. In all there will be over 20 hours of complimentary presentations."

Many exhibitors

On the exhibition floor, meanwhile, over 180 organisations representing over 200 companies will exhibit products and services. Steve Webb said: "The 8th and 9th October promise to be a fascinating two days for visitors, with so many changes impacting on all areas of healthcare.

"Hospitals will be able to see where they are lagging behind and could do better, with advice not only from leading suppliers, but also from other 'exemplar' hospitals, and from consultancies operating in many different fields, with many of the sessions focused on real examples of successes in the sector. (To register for a free exhibition pass, visit www.healthcare-estates.com).

"Under the new Procurement Development Programme," Steve Webb said, "the NHS has, of course, been charged with working more closely with its suppliers to negotiate new, bulk deals for cutting-edge medical equipment, a way of working which, it is acknowledged, can also help grow the economy by making the service more agile and better at working with small- and medium-sized businesses."

Nick Gerrard, chief executive of NHS Supply Chain, said on this point: "We are committed to supporting the Department of Health and NHS organisations with the implementation of this strategy to deliver greater efficiency savings from procurement and supply activities. From our existing experience of working with NHS Trusts, we believe further efficiency savings can be achieved by working together to aggregate NHS spend, and providing commitment to suppliers, so as to get the best value out of every pound spent."

Thousands of free tickets issued

Steve Webb added: "Step Exhibitions has made thousands of complimentary tickets available to potential visitors to the exhibition. With a range of benefits for pre-registered visitors, complimentary sessions, 'VIP status' for key people in the sector, and the ability to book appointments with key companies once registered, there is even more of an incentive to attend this crucial annual event. Look out for your ticket, and, if you haven't received one, contact us on 01892 518877, or email: healthcare@stepex.com

"Entrance to the exhibition is, of course, complimentary, and registration couldn't be simpler, either online at www.healthcare-estates.com, or by simply turning up on site and registering for free."



The Alexandra Suite at the Manchester Midland Hotel will be the venue for the 2013 IHEEM Annual Dinner and Awards.

Paralympic cyclist to speak

The annual IHEEM dinner is always an enjoyable evening, as well as a good opportunity for further networking and contact-making. Giving the keynote address at this year's Annual Dinner and Awards will be a truly motivational speaker, Mark Colbourne MBE, Paralympic Gold Medallist for Great Britain in cycling, who will discuss his life-changing experiences, support from the healthcare sector, and his own positive attitude to life and sport. For more information on places at the dinner, which is again being held at Manchester's Midland Hotel, and current availability, T: 01892 518877, or email: healthcare@stepex.com

Healthcare Estates is open to visitors from 8.45 am each morning. Steve Webb said: "Manchester is one of the most accessible places from most parts of the UK, and an extremely easy city to travel around. Booking your train ticket today could save you a significant sum, and, once in Manchester, the event venue a just short walk from Piccadilly station, surrounded by hotels, and facilities such as good restaurants to make your stay more enjoyable and comfortable.

Key players attend

"The whole event is attended by many influential professionals from throughout the sector, including senior management personnel from the Department of Health, estates, facilities, sustainability, and procurement professionals, and managers of, and buyers for, private hospitals, nursing, and care homes. The overall visitor 'mix' will also include representatives from NHS Trusts, the primary care sector, ambulance Trusts, mental health NHS Trusts, as well as personnel working for architects, consultants, main contractors, developers, and government bodies and agencies. Make Healthcare Estates 2013 a date in your diary; we look forward to seeing you there."

■ For more information, contact: Michelle Michelucci or Belinda Walter, on T: 01892 518877, or email: healthcare@stepex.com

Exhibitor list

Company	Stand	Company	Stand	Company	Stand
AFL Architects	D16	Draeger Medical UK Ltd	C33	netMAGmedia Ltd	F10
Aid Call Limited	C29	Dustcontrol UK Ltd	D19	New Vision Signs & Graphics	E11
Airwave	E27	E&K Automation Ltd	Bz22	NQA	Bz18
Alarm Radio Monitoring Ltd	C19	E.ON Connecting Energies	G37	Offsite Solutions	F9
Altro	G20	Eastwood Park Training	C11	P4 Ltd (FASTEL) Emergency Lighting Specialists	C7
Aluline Group Ltd	H14	EDL Lighting Ltd	H10	Pall Medical	F27
Amazing Interactives	E43	Elite Cleaning & Environmental Services Ltd	H9	Pick Everard	F29
Andrews Syke	H21	ENER-G Combined Power Ltd	G47	Polar (N.E.) Ltd	F7
Anti-Ligature-Shop Ltd	E14	Enersol Corp	H15	Primera Ltd	D10
Apex 4D	D23	Envirotect Limited	F12	ProCure 21+	D27
Apollo Fire Ltd	B1	Eplus Global Ltd	A29	ProEconomy Ltd	D43
Architects for Health	G19	Eric Wright Group	B21	Public Sector Sustainability	B2
ARDEX UK Ltd	E21	Fendor Ltd	E15	Pulseco Shower	A29
ArjoHuntleigh	E5	Finegreen Associates	B22	QCR Recycling Equipment	A31
Armstrong International SA	F24	Finning (UK) Ltd	F38	Quirepace Ltd	B18
artinsite	G21	Firepro UK Ltd	Bz14	Reliance Water Controls Ltd	C41
ASSA ABLOY	B39	GE Corporate	ES4	Sabien Technology Ltd	G48
ATB Security Ltd	F15	Genie CCTV	C14	Salto Systems Ltd	C15
Bender UK Ltd	F32	Gilling Dod Architects Ltd	CAPG1	Sentinel Performance Solutions Ltd	ES10
Bilfinger PPP Facility Management Ltd (UK)	H44	Gleeds Cost Management Ltd	D15	Shire Controls	F28
Binley's	B19	Guldmann UK	C20	Siemens plc	G5
BioClad Ltd	H13	Haigh Engineering Ltd	F2	SMS Environmental Ltd	C34
Biomaster Antimicrobial Technology	G35	Havelock Europa PLC	C43	Sound Leisure Ltd	F16
BLÜCHER UK Ltd	B15	Health Estate Journal	A18	Spirax Sarco Ltd	F25
BOC Healthcare	A35	Healthcare Design & Management	G6	Squiggle Glass Ltd	G27
BOS GmbH Best of Steel	A14	HefmA	H3	Stanley Security Solutions	F17
Boulting Environmental Services Ltd	G29	Hilditch Group Ltd	F31	Stantec	CAPG2
Boyco Manufacturing Co	F19	Horne Engineering	E7	Starkstrom	C47
BRE	G31	Hospital Bulletin	E19	Static Systems Group	C5
British Gas	F40	i3PT Certification Association	G15	Steri Spray Ltd	B26
British Gypsum	Bz20	IBI Group	A32	Steven A Hunt & Associates	D24
Britplas	D5	IHEEM	I1	Surelock McGill Ltd	F20
Building & Facilities Management	B2	Innova	G4	Swisslog (UK) Limited	B11
Buttress Fuller Alsop Williams	G9	Instastop	D30	Tamlite Lighting	F36
Capita	C38	IRT Surveys	H33	Tarkett Limited – The Ultimate Flooring Experience	F30
Carbon and Energy Fund	G45	Kemper UK & Ireland Ltd	B41	Taurus Fitted Bedrooms	B3
Challis Ag+ Antibacterial Shower Heads	H18	KEUCO	C27	TAWI UK LTD	H11
CIBSE	A23	KiWi Power Ltd	Bz5	Teal Patents Ltd	A26
Cisterniser Ltd	B14	Lobbysign	Bz13	Thorlux Lighting	F39
Clarke Energy	ES4	Local Authority Building & Maintenance	B40	Traka Plc	A6
Courtney-Thorne Call Systems	D7	Lorne Stewart	B24	Trend Control Systems Ltd	C37
CPA Solutions Ltd	Bz7	Low Carbon Europe Ltd	ES1	Turley Associates	B7
Credit Card Keys Ltd	C44	Loxos	H12	Turner & Townsend	C32
Cynergis Consultants Ltd	G46/Outside Space	LPA Group Plc	A25	Turner Engine Powered Services Ltd	F37
D+B Facades	B17	Lucy Switchgear	ES2	Tyrell Systems	A28
Dalkia	G43	Mailbox Stamford Products Ltd	B4	UKAPE	F3
DAQS Europe	B32	Maquet Geringe Group	G2	VINCI Park Services UK Ltd	B5
Dart Valley Systems Ltd	G25	MEC Medical Ltd	D20	Vistamatic Ltd	E23
Deanestor	F9	Medical Air Technology	A10	Vital Energi	H39
Delabie UK Ltd	D12	Medical Gas Services Ltd	E20	Vizcall UK Ltd	G11
Dementia Services Development Centre	F22	Metrasens	G7	Wallgate Ltd	C16
Design in Mental Health Network	D11	Michell Instruments	H16	Wandsworth Group Ltd	E27
DESIGNA UK Ltd	A22	Midland Corrosion Services Ltd	A7	Whitecroft Lighting Ltd	H36
Devon Medical Turnkey Solutions	F21	Millennium Medical Products Ltd	C10	Winsted	B16
DFx Technology Ltd	C25	Mitsubishi Heavy Industries Air-Conditioning Europe Ltd	D23	Woodwood Group	Bz11
Direct Access Consultancy Ltd	Bz9	NAFHO	G3	WT Partnership	F23
DiscreteHeat	A15	Nationwide Gritting Services Ltd	B33	Zip Heaters (UK) Ltd	C21
DPS (Bristol) Ltd	H37				

