

Challenges in focus

With what should undoubtedly be 2012's most comprehensive and thought-provoking event for the healthcare estates community now just four weeks away, it is important to remind all those planning to attend Healthcare Estates 2012 of some of the highlights at this year's conference and exhibition, which make it a 'must-attend'.

The event provides a great way for healthcare estates professionals to come together; combining a high quality conference with a free-to-attend exhibition with the chance to see the latest equipment, technologies, and services, for creating and maintaining effective, efficient treatment environments, from over 170 exhibitors.

Over 2,000 people will come together in Manchester from 9-10 October to network, do business, and access high-level intelligence to help them in their work. Attendance figures are once again exceeding targets.

This year's conference is rightly focused on the challenges posed by the current NHS reforms, along with the ongoing demands to create better outcomes from constrained public sector resources. The conference is heavy on NHS speakers, and best practice examples, providing a valuable resource in understanding future direction, and accessing best practice example, to help NHS organisations deliver productivity improvements and efficiency savings. This year in particular we have

taken great care to obtain additional feedback to ensure that the programme is extremely relevant.

A glance at this year's programme (see pages 78-79) will confirm the high calibre of the speakers who will be presenting in Manchester this year.

Special features on the exhibition floor, meanwhile will include product and technical showcases on creating a better patient environment, facilities management, architecture and construction, and energy and sustainability.

Healthcare Estates 2012 will also provide a great opportunity to find out how IHEEM membership can help you, and IHEEM and *Health Estate Journal* personnel will be on hand to meet visitors. The IHEEM AGM also takes place at the close of the first day, and will see our new President, Greg Markham (see also pages 14-20), installed.

The following pages provide a breakdown on the essential elements of this year's show. To keep up-to-date with additions to the programme over the next few weeks, visit: www.healthcare-estates.org.uk for conference updates, and, for exhibition updates: www.healthcare-estates.com.

If you haven't yet booked your place at the conference or the exhibition, now is the time to do so. We look forward to seeing you at the show.

Paul Kingsmore
President, IHEEM

CONTENTS

Conference programme 78

Meeting the challenges of a 'new landscape' 81

As the new NHS landscape's structures, policies, and future strategic direction, begin to come more into focus, but with the impact of the changes on healthcare estates teams still very much uncertain, a visit to this year's Healthcare Estates event is an 'absolute must'. Some of the key conference and exhibition highlights described.

Exhibitor list and floorplan 84

HEJ Product Showcase presentations 87

Exhibition preview 91

A guide to the products, technology, and services, on show this year from over 170 exhibiting companies.

Organised by



Exhibition organised by



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Cover Story

ZIP Hydroboil Plus – 'Just what the doctor ordered'

With its impressive energy-efficient functionality, Zip's Hydroboil Plus is, the company says, 'becoming the wall-mounted instant boiling water system of choice in the workplace, particularly for locations such as hospitals that need to provide drinks for busy staff on demand, and are also looking to save energy and cost'.

Zip Heaters claims to be the market-leader in instant boiling and chilled filtered water systems, having supplied the healthcare sector for many years. The Hydroboil Plus uses the innovative 'Steam-Heat-Boost' system, which recycles steam from the stored boiling water, thus providing an energy-efficient way to pre-heat incoming cold water.

Another energy-saving feature is PowerPulse technology, which constantly monitors and adjusts to achieve the selected temperature. The system also uses an integrated light

detector to monitor local lighting levels; when local lighting is turned off, the unit is automatically placed in 'sleep mode'. This feature allows the temperature of stored boiling water to gradually reduce to 65°C, at which it is maintained, preventing the water constantly being heated when it is not needed, and in turn 'saving substantial amounts of energy and money'. Additionally, if the unit is put into single 'inactivity' sleep mode, and has not been used for two hours, it will enter 'power down' status. In recent tests undertaken by Aston University, this combination of features saw Hydroboil Plus use 'up to 50% less energy than other instant boiling water systems'.

Hydroboil Plus is available in 3 to 40 litre capacities, and offers busy departments boiling water facilities, 'on tap', '24-hours-a-day, 7-days-a-week'.

To try out the system, visit stand D20 at the Healthcare Estates 2012 exhibition.



Zip Heaters (UK) Ltd
14 Bertie Ward Way
Dereham
Norfolk NR19 1TE
Tel: 0845 602 4533
www.zipheaters.co.uk

Conference programme

Tuesday 9 October

08:45	Registration and exhibition networking			
09:45	Welcome Address: Alistair Cameron, Chair, IHEEM North West Branch Presidential Address: Paul Kingsmore, President, IHEEM			
10:00	• Health and Social Care Act: What does it mean for healthcare estates?			
10:20	Question and answer session			
10:30	• Stakeholder panel discussion: How will the Act impact healthcare estates? Paul Kingsmore, President, IHEEM Trevor Payne, <i>Director of Estates and Facilities, University College London Hospitals NHS Foundation Trust</i> Keith Hayes, <i>Commercial Director, North West Region, Mansell</i> Mike Burrows, <i>Chief Executive, NHS Greater Manchester</i> Peter Sellars, <i>Head of Profession, NHS Estates and Facilities Policy Division, Department of Health</i>			
11:15	Morning refreshments and opportunity to visit the exhibition area			
	Stream sessions			
	STREAM A	STREAM B	STREAM C	STREAM D
	Waste management and decontamination	Architects for Health	Governance and culture	Finance and PFI
11:45	• New guidelines on decontamination, waste management and sterilisation Chair: Graham Stanton, <i>Senior Decontamination Officer, NHS Wales Shared Services Partnership – Facilities Services;</i> Dr Brian Kirk, <i>Senior Technical Service Specialist, Sterilization and Monitoring, 3M Infection Prevention Division</i>	• International best practice Bluewater Health, <i>Sarnea, Ontario</i> Tye Farrow, <i>Senior Partner, Farrow Partnership Architects Inc;</i> Johannes Eggen, <i>Partner, Narud Stokke Wiig Arkitekter og Planleggere AS</i>	• Making the best use of your space: how to significantly reduce space needs and improve building efficiency David Mathieson, <i>Director, Turner and Townsend</i>	• Painless procurement?: saving money, time, and stress, through a better design procurement process for great healthcare buildings Jim Chapman, <i>Built Environment Expert, Design Council CABE</i>
12:15	• What have we learnt from the privatisation of sterilisation services?		• Space utilisation: the mechanics and the culture Andrew Terry, <i>Managing Director, Micad;</i> Ken Gordon, <i>Micad</i>	• Life after PFI Mark Longley, <i>Director – UK Healthcare, CBRE</i>
12:45	Networking lunch and opportunity to visit the exhibition			
14:00	• Safe management of healthcare waste Mick Fanning, <i>Associate Consultant, WSP Group;</i> Dr Anne Woolridge, <i>Technical Director, Independent Safety Services Ltd</i>	• UK best practice Chair: Susan Francis, <i>Programme Director, Architects for Health;</i> Gareth Hoskins, <i>Design Director, Gareth Hoskins Architects;</i> Benedict Zucchi, <i>Director of Architecture, BDP;</i> Richard Murphy, <i>Director, Richard Murphy Architects</i>	• Working with the private sector to get the most out of your estate assets Louise Ramsay, <i>Assistant Director, Facilities, NHS Hull</i>	• PFI workshop – Driving new efficiencies and getting the most value for your Trust Department of Health
14:30	• Generating income from waste and recycling		• Developing the Premises Assurance Model Alan Kenny, <i>Director of Asset Management and Development, Birmingham and Solihull Mental Health NHS Foundation Trust</i>	
15:20	Afternoon refreshments and opportunity to visit the exhibition			
15:50	An interview with a speaker to be confirmed: The future of healthcare design			
16:20	Panel Response – Understanding the needs of the population and how designers can help achieve successful outcomes John Cole, <i>Director of Estates, Health Estates Investment Group, Department of Health, Social Services and Public Safety Northern Ireland</i> John Cooper, <i>Chair, Architects for Health</i> Alastair Gourlay, <i>Programme Director – Estate Development, Guy's and St Thomas' NHS Foundation Trust</i> Sarah Waller, <i>Programme Director, Enhancing the Healing Environment, The King's Fund</i>			
17:00	Exhibition drinks reception			
17:15	IHEEM AGM for members			
18:00	End of day one			
19:30	Dinner reception			
20:00	Awards Dinner			

Wednesday 10 October

08:45	Registration and exhibition			
09:15	<ul style="list-style-type: none">• NHS Property Services (PropCo): What will it mean in practice for primary and community estates, integration and FT estates control? Pam Chapman, <i>Head of Strategic Asset Management, Department of Health</i>			
10:00	<ul style="list-style-type: none">• ProCure21+: The new models for healthcare estates development Ray Stevenson, <i>Programme Manager, ProCure21+, Department of Health</i>			
10:45	Morning refreshments and opportunity to visit the exhibition			
11:30	<ul style="list-style-type: none">• Translating sustainability guidance into innovative practice Chair: David Pencheon, <i>Director, NHS Sustainability Unit</i> David Pokora, <i>Executive Director, The LIFT Council</i>			
12:15	<ul style="list-style-type: none">• Achieving award-winning sustainability: Houghton Primary Care Centre case study Chair: David Pencheon, <i>Director, NHS Sustainability Unit</i> Martin Townsend, <i>Director, BREEAM</i> Stephen Naylor, <i>Head of Estates, NHS South of Tyne and Wear, and Associate Director of Estates, NHS North of Tyne</i>			
12:45	Networking lunch and opportunity to visit the exhibition			
	Stream sessions			
	STREAM A	STREAM B	STREAM C	STREAM D
	Energy, sustainability and efficiency	Architects for Health	Infection control and water systems	Facilities and system design
13:45	<ul style="list-style-type: none">• Strategic health asset planning and evaluation: what can SHAPE do for me? Barbara Coyle, <i>SHAPE Programme Manager, North East Public Health Observatory, Durham University</i> ; Simon Greenfield, <i>Strategic Estates Advisor, NHS London</i>	<ul style="list-style-type: none">• Achieving good design Chair: John Cooper, <i>Architects for Health</i> ; Morag Myerscough, <i>Director, Studio Myerscough</i> ; Kate Blee; Claudia Bloom, <i>Director, Avanti Architects</i>	<ul style="list-style-type: none">• Water quality: latest innovations to improve water management and reduce risks Dr Nick Hill, <i>Technical Director, Water Hygiene Centre</i>	<ul style="list-style-type: none">• New strategies for estates guidance programmes Paul Roberts, <i>Technical Development Lead and Risk Management Advisor, Department of Health</i>
14:15	<ul style="list-style-type: none">• Innovation soap box			<ul style="list-style-type: none">• Patient-led inspections of the care environment Dr Elizabeth Jones, <i>Head of Patient Environment, Department of Health</i> ; Rachael Whittaker, <i>Patient-led Inspections Programme Officer, Department of Health</i>
14:45	<ul style="list-style-type: none">• Incorporating efficiency measures through smart energy management – reaching your CRC target in an innovative way Eugene Conroy, <i>ETA Projects</i>			<ul style="list-style-type: none">• <i>Pseudomonas aeruginosa</i> infections from water: the unintended consequences of good practice in infection control Dr Michael Kelsey, <i>Consultant Microbiologist and Infection Control Officer, Whittington Hospital London</i>
15:30	Afternoon refreshments and opportunity to visit the exhibition area			
15:45	Closing address by new IHEEM President, Greg Markham, exhibition area			
16:15	Close of conference and exhibition			



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Meeting the challenges of 'a new landscape'

As the new NHS landscape's structures, policies, and future strategic direction, begin to come more into focus, and the hiatus caused by the Health and Social Care Act's passage through the various parliamentary stages to become law, begins to quieten, 'surviving and thriving in this emerging new world' will be a major theme underpinning next month's IHEEM Healthcare Estates 2012 annual conference and exhibition in Manchester. *HEJ* reports on some of the major conference and exhibition highlights as, behind the structural changes, the fundamental challenges facing healthcare estates personnel – improving patient care and outcomes, driving efficiencies and innovation, cutting costs, and coping with rising patient demand – remain the same.



**Healthcare
Estates**

"For the estates community, and the supply chain that works with it, there is undoubtedly a need for clarity on the role of estates professionals within provider NHS Trusts, and equally on that of the new NHS Property Services body, not only in terms of ongoing operational efficiency, but also in the radical re-shaping of future healthcare assets as the overall healthcare estate's footprint contracts, and community services grow." So says the organiser of this year's Healthcare Estates conference, i2i Events Group.

These 'key strategic issues' will be explored through the conference's plenary content. The opening sessions on the conference's first day, on the impact of the Health and Social Care Act, will include presentations by NHS Greater Manchester Chief Executive, Mike Burrows; Department of Health head of profession at the NHS Estates and Facilities Policy Division, Peter Sellars; University College London Hospitals NHS Foundation Trust director of Estates and Facilities, Trevor



Courtesy of Manchester Central

Manchester Central, the venue for IHEEM's flagship annual conference and exhibition, Healthcare Estates 2012.

Payne, and IHEEM President, and North West London Hospital NHS Trust and Ealing Hospital NHS Trust director of Estates and Facilities, Paul Kingsmore.

The afternoon plenaries on day one, meanwhile, will focus on the future of healthcare design, and feature insight from experts such as Alastair Gourlay, programme director at Guy's and St

Thomas' NHS Foundation Trust; Sarah, Waller, programme director, Enhancing the Healing Environment, The King's Fund; John Cole, director of Estates in Northern Ireland's Department of Health, Social Services and Public Safety, and John Cooper, chair of Architects for Health.

'New models' for estates development

Day two plenaries will see Pam Chapman, the Department of Health's head of Strategic Asset Management, shed light on what NHS Property Services will mean in practice for primary and community estates, while DH ProCure21+ programme manager, Ray Stevenson, will lead a session on new models for health estates development. The final plenaries will be steered by NHS Sustainable Development Unit director, David Pencheon, joined by David Pokora, executive director of The LIFT Council, and will address translating sustainability guidance into innovative practice, while BREEAM director, Martin Townsend, and

Among the speakers at this year's conference will be (left to right) The King's Fund's Sarah Waller, The LIFT Council's David Pokora, John Cole, director of Estates in Northern Ireland's Department of Health, Social Services and Public Safety, and Alastair Gourlay, of Guy's and St Thomas' NHS Foundation Trust.



NHS South of Tyne and Wear head of Estates, and NHS North of Tyne associate director of Estates, Stephen Naylor, will explore the award-winning sustainable design and features at the Houghton Primary Care Centre (*HEJ* – February 2012).

Best practice advice

Over the course of the two days, the break-out streams either side of lunch will

be providing best practice content on topics including:

- Waste management and decontamination.
- Architecture and design (Architects for Health).
- Governance and culture.
- Finance and PFI.
- Energy, sustainability, and efficiency.
- Infection control and water systems.
- Facilities and systems design.

The evening of the first day will see staged, at Manchester's Midland Hotel, the annual Conference Dinner and IHEEM Awards, providing an excellent opportunity for delegates, exhibitors, and exhibition attendees, to network. The latest version of the conference programme is viewable at www.healthcare-estates.org.uk, where bookings can be made both for the Healthcare Estates conference, and for places at the conference dinner. Discounts

Healthcare Estates Showcase & Workshops Programme

Alongside being able to visit the stands of over 170 exhibitors within the exhibition hall, visitors can also attend, free-of-charge, a number of Healthcare Estates 'showcases', hosted by key organisations and exhibitors.

The three 'Showcase' programme features in the exhibition hall are:

- The Health Estate Journal Product Showcases.
- The Contractors & Architects Showcases.
- The BRE Sustainability Showcases.

Health Estate Journal Product Showcases

Last year's Healthcare Estates saw the incorporation, for the first time, of a series of New Product Showcase presentations within the exhibition area. These proved extremely popular with visitors, and the 2012 event will see this feature repeated, with the presentations, this year staged in association with *Health Estate Journal*, and dubbed the 'HEJ Product Showcases', each lasting 20-25 minutes. They will be given across both days in a special 'theatre' on the exhibition floor.

The Day One theme will be 'Wasted energy is wasted money', and the second day's theme, 'Improving the patient environment'.

Steve Webb, exhibition director, elaborated: "Last year the New Product Showcase presentations, which will again be free-to-attend, proved a major draw. This year the presentations will consider, on the first and second days respectively, ways and methods via which NHS Trusts and other healthcare providers can cut their carbon emissions and reduce their energy bills using the latest technology, and some of the most cost-effective and practical measures that can be taken to improve the patient environment.

"The principle is that each session will combine spoken content from both an equipment supplier, and the end-user, to clearly demonstrate what each 'customer' organisation has gained."

For more information on the suppliers and end-users presenting, and a fuller flavour of what they will be discussing, see pages 87-88.

HEALTH ESTATE JOURNAL PRODUCT SHOWCASES

9 October – 'Wasted energy is wasted money'

Time	Title	Speaker	Company
11.00-11.30	Cutting cost and carbon in healthcare	Wayne Muncaster	powerPerfector
12.00-12.30	Bringing people and technology together to deliver more with less	Michael Smeeth, Fiona Daly	GE Global Growth and Operations & Bart's Health NHS Trust
14.00-14.30	Reducing hospital energy plant carbon emissions – practical steps and renewable options	Derry Carr	Dalkia
15.00-15.30	How voltage optimisation helps the NHS	Duncan Agnew	EMS Powerstar

10 October – Improving the patient environment

Time	Title	Speaker	Company
10.30-11.00	Testing Times – At last, a recognised, graded, and meaningful standard for the conformity of anti-ligature door and window fittings	Joe Forster and Jerry Smith	DIMHN & Primera
12.00-12.30	Developments in the control of naturally ventilated healthcare buildings	John O'Leary	Trend Controls
14.00-14.30	Best practice design of mental health bedrooms – a Trust perspective	Ann Dodd, Mark Nash, and Peter Ball	LPFT, BRE and Vistamatic

OTHER SHOWCASE FEATURES

9 October – CONTRACTORS & ARCHITECTS SHOWCASES

Time	Title	Speaker	Company
11.00-11.30	Modern methods of construction	David Jupp	Elliott Group
12.00-12.30	Blurring the boundaries: Personalised cancer centre design in an era of personalised medicine	Catherine Zeliotis	Stantec Anshen + Allen
14.00-14.30	Therapeutic Mental Health Environment	Tony Crawford and Neil McCracken	Mersey Design Group
15.00-15.30	Living with cancer – a patient-centred approach	Chris Thornton	ADP

10 October – CONTRACTORS & ARCHITECTS SHOWCASES

Time	Title	Speaker	Company
10.00-10.30	Therapeutic Mental Health Environment	Tony Crawford and Neil McCracken	Mersey Design Group
12.00-12.30	Through the eyes of a child – why hospitals designed for children need to be special places	Jonathan Wilson	Stantec Anshen + Allen
14.00-14.30	Efficient and patient-centred: Leveraging the benefits of sustainable design	Karen Turnbull	ADP

9 October – BRE SUSTAINABILITY SHOWCASES

Time	Title	Speaker	Speaker
11.00	BREEAM for healthcare buildings	Charlotte Hardy	BRE Global
12.30	The background to the Addenbrookes development	Richard Howe MBE	MITIE
14.00	Stakeholder engagement in evaluation	Chris Haddon	CIC
15.00	Cost-effective healthcare fire safety project	David Charters	BRE Global

NB *All complimentary exhibition programmes correct as of 23 August 2012.

are available for NHS staff and IHEEM members. The programme, up-to-date as HEJ went to press, also features on pages 78-79 of this show guide.

Exhibition to be year's largest gathering of its kind

Being held alongside the conference, this year's Healthcare Estates exhibition is the largest in the event's history, and will bring together suppliers and customers in

what is also expected to be the year's largest gathering of such personnel in the UK. Steve Webb, exhibition director, said: "With over 170 exhibitors, and key organisations representing over 200 companies providing quality presentations to visitors, just one day at the event could help you and your work colleagues in many ways.

"Government NHS reforms carry implications for the healthcare estate," he

continues. "The NHS White Paper is silent on what will happen to the NHS estate, and especially the property currently owned by PCTs. However, the abolition of PCTs will mean that their estates and their LIFCo shareholdings will need to be transferred elsewhere. The NHS will not need to own estate directly, since this will be able, under the new landscape, to be provided either by a property management vehicle, or by providers themselves.

"The current constraints on provision will no longer apply. Any provider will be able to set up to supply NHS services in an area, subject only to the requirement to be jointly licensed by the CQC and Monitor. Consequently, there will be new opportunities for provision of facilities, which will include both estate and equipment by property companies, and joint ventures to primary and community care providers.

"Healthcare Estates 2012 will provide visitors with an opportunity to find out about the latest changes and implications for them and their teams. For estates and facilities departments, architects, consulting engineers, construction companies, suppliers, and others directly involved in managing estates and facilities, taking the time out to attend the conference, and visiting the exhibition – which this year has several exciting new features – could not be more important at this time of fundamental change. The exhibition enables suppliers and customers to meet face-to-face, in turn allowing potential purchasers to better evaluate each supplier's products, service ethics, and offering, and to thus make a better, more informed, buying decision.

"The exhibition is traditionally attended by many professionals involved in a wide range of roles within the sector; including management personnel from the Department of Health, NHS estates, facilities, sustainability, and procurement professionals, and managers and buyers from private hospitals, nursing, and care homes. Exhibition attendees will also be mixing with both visitors and exhibitors



Healthcare Estates 2012 is being held at Manchester Central (formerly GMEX) from 9-10 October, 2012, and opens at 8.45 a.m. each day.

10 October – BRE SUSTAINABILITY SHOWCASES

Time	Title	Speaker	Speaker
11.00	BREEAM for healthcare buildings	Yetunde Abdul	BRE Global
13.00	Best practice design; choosing vision panels on functionality and safety	Paul Kaye	Vistamatic
14.30	Cost-effective healthcare fire safety project	David Charters	BRE Global

HEALTHCARE ESTATES WORKSHOPS IN CENTRAL 5 & 6

This year Healthcare Estates is delighted to include informative exhibition content from the Design in Mental Health Network (DIMHN), and the National Association of Healthcare Fire Officers (NAHFO). Both will be hosting workshops on 9 October at Healthcare Estates, once again free-to-attend.

9 October – Design in Mental Health Network Workshop

Time	Title	Speaker	Company
9.30-9.40	Introduction	Joe Forster	DIMHN
9.40-10.10	Keep me safe but don't take my independence	Joe Forster and Christopher Shaw	DIMHN & Medical Architecture
10.20-10.50	The better bedroom for mental health	Jenny Gill, Gerald Smith, and Peter Ball	Mental Health Strategies, Laing O'Rourke, & BRE
11.00-11.30	The healing module in architecture education	Dr Robert Macdonald and Robin Graham	LJMU & Wood Design Studio
11.40-12.10	Services on a human scale in Centres of Excellence	Ciaran Shanahan and Graham Lewis	HAFS & NWdesign
12.20-12.50	Launch of Modernising Mental Health	Joe Forster and James Lee	DIMHN & Step Exhibitions
12.50 onwards	Exhibition Tour Featuring the latest technologies and products within the mental health sector		

9 October – NAHFO Workshop

Time	Title	Speaker	Company
14.00-14.10	Introduction	Peter Aldridge	NAHFO
14.15-14.45	Legal issues		
14.50-15.10	The value of third party certification for healthcare fire safety professionals and providers	Stephen Adams and Tony Maskens	BAFE
15.15-15.45	False alarm reduction in fire detection systems	Jayne Dunn	Hochiki Europe
15.45-16.00	Refreshment break		
16.00-16.20	Evacuation – one step further!	Greg Pons	Swallow EMP
16.25-16.45	The perfect fit! Integrating fire detection into building management systems	Eva Kosanovic	Apollo Fire Detectors
16.50-17.10	The benefits of automatic test systems for emergency lighting	Alan Daniels	P4 Limited

Healthcare Estates Roundtables – EMC3, 4 and 5

Free-to-attend Healthcare Estates 'roundtables' will take place each morning.

Estates Management & Consultants Roundtables

Title of discussion topic for 9-10 October (10:00-11:00): 'Estate Rationalisation & Transformation Change – Optimising Space' – chaired by Simon Corben, director, Capita Symonds.

The roundtables will discuss 'how innovative business models for better estate optimisation can drive efficiency and provide a vital source of income that can be used to bolster frontline services'.

To register your interest in attending one or more of the sessions, email healthcare@stepex.com or call the exhibition office on 01892 518877.

To view the full complimentary exhibition programme please visit www.healthcare-estates.com

from acute, primary care, and ambulance NHS Trusts, mental healthcare Trusts, and NHS Foundation Trusts, as well as having the opportunity to meet up with, and talk to, architects, consultants, and representatives from main contractors, developers, and Government bodies and agencies."

'The Healthcare Professionals VIP Scheme'

Recognising, however, that, with time away from running any business being critical, those attending conference and exhibition events will demand 'the most bang for their buck', the exhibition's organisers, Step Exhibitions, have worked closely with IHEEM to ensure that healthcare visitors get 'maximum value' from the show.

Steve Webb explained: "Qualifying visitors from the NHS, the Department of Health, private healthcare facilities, hospices, care homes, mental health Trusts, and primary care and Strategic Health Authorities, will be offered a VIP package that will cover the costs of parking and refreshments on site, and a dedicated area to network with colleagues and meet with key suppliers exhibiting at the show. On request we can help such delegates plan their day, set up meetings with suppliers, and even find accommodation and places to eat.

"Healthcare professionals registering before 21 September will be sent details of a range of benefits, and information to help plan their attendance. Our team will ensure that delegates get the most out of attending the UK's biggest, most relevant event for the sector this year. If you think you qualify, and would like more information, call our registration team on 01892 518877, or visit: www.healthcare-estates.co.uk and click 'Register now' to be 'upgraded'."

Visitors to the exhibition at this year's Healthcare Estates event will also benefit from discussions around the hottest topics of the moment, and will be able to attend, free-of-charge, a series of seminars, presentations, and product 'showcases', covering wide-ranging subjects (see pages 82-83 and 87-88 for more details).

Steve Webb said: "Many companies do now invest in training on a regular basis, but there is nothing better than learning from experts and highly experienced speakers addressing some of the key challenges. Entrance to the exhibition is complimentary, and registration couldn't be simpler, either online at www.healthcare-estates.com, or by simply arriving on site on the day and registering for free. (NB VIP visitors will need to pre-register on or before the 21 September). We look forward to seeing you in Manchester."



COMPANY	STAND	COMPANY	STAND
ADI Group	J7	Heatrae Sadia Heating	D30
ADP	CA1	HefmA	H9
AFL Architects	D27	Hochiki Europe	C2
Aid Call Limited	C25	Honeywell Building Solutions	C31
Airwave	G30	Horne Engineering Ltd	E13
Amazing Interactives	G42	Hospital Bulletin	D12
Apollo Fire Detectors Ltd	B1	Hoval Ltd	E21
Aquabion	J4	IBI Group	A28
Architects For Health	A4	IHEEM	I1
ARI-Armaturen UK Ltd	F22	Imperial Polythene	D18
Arjo Huntleigh	C20	Intastop	E30
ARM Ltd	E27	IPU Group	D36
Armitage Shanks	E3	JD Mc Geown Ltd	J12
artinsite	A27	Kemper UK & Ireland Ltd	B41
ASSA ABLOY	D19	Keraflo Ltd	B18
A.T.B Systems Ltd	A37	Kingsway	B11
AVC Group	C14	KONE	B19
BAFE	E8	Lerch Bates Ltd	B13
BC Technology Ltd	H24	Lorne Stewart	C26
Beacon Medaes	C11	Loxos	E17
Bedfont Scientific International	E26	Mailbox Stamford Products Limited	G41
Bender UK Ltd	G36	Marcris International Ltd	J11
Bennett Architectural Aluminium Solutions	F45	MEC Medical Ltd	B23
Binley's	C12	Medical Gas Services	B23
BioClad Ltd	J10	Mersey Design Group	CA3
Biomaster Antimicrobial Technology	J8	MHA Lighting Ltd	E20
BRE Group	BR	Millennium Medical Products Ltd	D34
British Gas	C23	MITIE	F5
Britplas	D3	NetMag Media	B15
Building and Facilities Management	G2	Newey & Eyre	G11
Calder Industrial Materials Ltd	A8	NJL Secure	J15
Capita Symonds	EMC1	Noratel	C41
Caregard Systems	F26	Numatic International	B40
Cisterniser Ltd	B18	Office Canopy Group Ltd	E25
Clarke Energy	B17	Ordnance Survey	F1
Cloud Sustainability	E24	P4 Limited	A23
Consilium Technologies Limited	B27	Pall Life Sciences	E31
Construction Specialties (UK) Ltd	D13	Parker Merchandising	G11
Cooke Brothers Ltd	D22	ParkingEye Limited	A21
Courtney-Thorne Call Systems	D7	Pegler Yorkshire	C16
Cundall	C42	Pick Everard	E28
Cycle-Works Ltd	A19	powerPerfector	A33
d+b facades	D29	Primera Ltd	D8
Dalkia plc	F20	ProCure 21+	G40
Dart Valley Systems Ltd	F21	Shire Controls	E44
Deanestor Plc	C27	SLKids	F32
Design Council	CA2	Spirax Sarco Ltd	F23
Design in Mental Health Network	D11	Stable Publishing Limited	A1
Discrete Heat Company Limited	A15	Stantec Anshen + Allen	B3
Douglas Delabie Ltd	E10	Static Systems Group	C3
Draeger Medical	C30	Steven A Hunt & Associates	D31
Edmolift UK Limited	D40	Surelock McGill Ltd	C39
Elliott Group	D42	Swallow Evacuation & Mobility Products Ltd	A26
EMS Powerstar	G12	Taurus Fitted Bedrooms	C7
Environmental Water Systems (UK) Ltd	B7	TEAL Patents Ltd	B42
Evolution Washroom Services Ltd	C9	Tente Castors Ltd	J9
Faithful + Gould	C37	The Austin Company	D32
Fast Park System UK Branch	G5	The Bloomfield Group	D24
FEC Heliports Worldwide Ltd	D26	The Energy Savers Limited	F18
Fendor Ltd	G34	The Wandsworth Group Ltd	G30
Finegreen Associates	A6	Tobermore Concrete Products Ltd	H32
Garrabridge Lighting & Controls	J6	Toprail Ltd	H2
GB Locking Systems	F28	Tough Furniture Ltd	J1
GE Corporate	B17	Trend Control Systems Ltd	E32
Gent by Honeywell	B20	Trumpf Medical Systems Ltd	D39
Gilgen Door Systems UK Ltd	C33	Turner & Townsend Plc	B30
GIRPI	E18	United Kingdom Association of Professional Engineers	J3
Gleeds	D21	Vinci Facilities	H7
Graham Energy Management	D25	Vistamatic Ltd	E23
Graham Environmental Services	D25	Vizcall UK Ltd	H20
Grant Westfield Ltd	B31	Wardray Premise Ltd	C19
Hamerville Magazines	H17	WT Partnership	D44
HC Slingsby PLC	A40	Yorkshire Care Equipment	A41
Health Estate Journal	I1	Zip Heaters (UK) Ltd	D20
Healthcare Estates Sales Office	H40		

Exhibitor list and floorplan



This plan is subject to change at the discretion of the Event Organiser. This plan is for pictorial purposes only, and not to scale or proportion.

Reducing energy plant emissions

According to **Dalkia**, with the sector facing continuing pressure to reduce carbon emissions and footprint, NHS Trusts now have at their disposal a wide range of potential solutions that can substantially cut CO₂ emissions from electricity, heat, and cooling systems.



Derry Carr.

The company said: "To fully benefit from the technologies available, it is essential to be able to find practical solutions that deliver reliable utilities long-term. Selection of the most appropriate technology for each hospital's needs is key, as is the commercial framework selected, to avoid increasing costs.

"Combined heat and power plants have been adopted by many UK hospitals. Of vital importance is the design and

operation of a CHP system, so that it reliably delivers what is needed, is fully integrated with the healthcare facility's energy distribution network, and performs optimally. The use of biomass technologies is growing, but it is important to assess any potential system's overall environmental impact

and practical limitations. Technologies like photovoltaic solar, biomass, and ground source heat pumps, can all be deployed, but each should be critically assessed against performance criteria, long-term reliability, payback, cost-effectiveness, and value-for-money."

Dalkia's Showcase presentation will be given by the company's technical manager, Derry Carr C.Env, I.Eng, BSc (Hons), MIPlantE, MSOE, MIGEM.

The power to cut consumption

"With a carbon footprint equivalent to 21 million tonnes of CO₂, and shrinking budgets, few organisations face an environmental challenge like the NHS.

"This challenge is set against the backdrop of maintaining services, meaning it is important that Trusts adopt tried and tested measures to tackle the dual challenges of cutting cost and carbon."

So says Wayne Muncaster, director of sales at **powerPerfector**, who, in a case study-based presentation, 'Putting Trust in VPO', will explain how the company's Voltage Power Optimisation (VPO) technology 'is now an established, reliable, and widely used energy-saving technology'. He said: "Its guarantee of performance ensures that Trusts can have confidence in their investment decisions. VPO meets both the carbon and cost-saving objectives in one installation.

"Healthcare sites in the UK provide vital frontline services, as well as meeting logistical, research, and administrative needs. This variety results in a wide range of electrical loads, and the question of whether VPO will work with specialist, sensitive equipment. With nearly 90 units installed on NHS sites, powerPerfector can say with confidence that its VPO units work seamlessly with specialist equipment. Sensitive electronic equipment, such as operating systems for MRI and CT scanners, can also be protected by the power quality improvements afforded."



Lower electricity bills, energy use, and carbon footprint

Duncan Agnew, head of the Healthcare team at designer and manufacturer of the PowerStar voltage optimisation system, **EMSc (UK)**, will use the company's *HEJ* Product Showcase presentation to explain how voltage optimisation works, identify where it does and does not reduce electricity consumption, and 'outline the many benefits of implementing the technology in the healthcare sector'.

He explained: "These benefits include lower electrical consumption, and thus lower electricity bills, increased lifespan of all electrical apparatus on site, improved power factor, and a greatly reduced carbon footprint."

An electrical engineer with over 10 years'



Duncan Agnew.

energy sector experience, Duncan Agnew adds:

"EMS PowerStar units are installed in acute, mental health, and general hospitals, as well as on administration sites.

The units are also installed at smaller NHS and private health clinics, and even doctor's surgeries, which clearly

demonstrates the technology's ability to reduce electricity consumption at a wide range of premises."

EMSc (UK) claims to be the UK's most experienced manufacturer of voltage optimisation equipment and systems, with over 4,500 successful installations, and 'dedicated delivery teams' for all major industries, including the healthcare sector.

Bringing people and technology together

GE and **Bart's Health NHS Trust** will be describing an approach via which they are working together 'to deliver a new and innovative approach to carbon and energy usage reduction, by looking not just at the latest technology, but also at the Trust's most important resource – its people'.

GE's Director of Healthcare Infrastructure, Michael Smeeth, who will co-present on the topic with Fiona Daly, the Bart's Health NHS Trust's head of Sustainability, says the initial results delivered by active engagement with staff

have been 'very encouraging'. Michael Smeeth added: "GE and Bart's Health are taking a truly holistic approach, and are currently analysing and modelling the potential for multiple interventions, both technological and behavioural. The outcome of this work will be a truly integrated and targeted programme that will use a fusion of people and the latest technology to deliver results that are equal to more than the sum of their individual parts."

The co-presenters of this *HEJ* Product Showcase presentation invite those



Fiona Daly.



Michael Smeeth.

visiting the exhibition to listen to their address, and 'find out how excellent results are being achieved, and how the lessons learned could be applied in your Trust to achieve excellent outcomes'.

Testing times – a meaningful standard for anti-ligature door/window fittings

Joe Forster, chairman of the Design in Mental Health Network (DIMHN), will look closely at the design of anti-ligature door and window fittings in the context of forthcoming changes to the Door & Hardware Federation's technical specification for anti-ligature products – TS001.

In addition to highlighting the measures required to conform to this new standard, the discussion will explore the importance of style, feel, finish, and function, and consider the 'critical safety

features' necessary in today's modern mental healthcare environment. The speaker will explain how all these design attributes have had a positive impact on daily life for both staff and service users 'at the coalface' – The Rathbone Low Secure Unit in Liverpool.

Joe Forster is a senior NHS mental health nurse and a visiting lecturer and critic in healthcare architecture at Liverpool John Moores University. His research focuses on service user involvement and the role of emotion in design. This year he



Joe Forster.

is seconded as Practitioner in Recovery at Mersey Care NHS Trust. A 'recognised and well-respected international speaker', he says he is 'known for challenging convention', and has 'real passion' for improving mental health design.

The presentation will be sponsored by **Primera**, a leading designer of anti-ligature fittings.

Partnership approach culminates in award

This presentation will explain how collaboration between the Lincolnshire Partnerships NHS Foundation Trust (LPFT), design teams, and the contractor, culminated in an award-winning mental health rehabilitation facility in Lincoln.

From initial concept to the first service users moving in, LPFT's Ann Dodd will describe the collaborative process which enabled the Trust to procure a 'state-of-the-art' new facility – Discovery House (pictured), which won one of only three awards presented to 13 different building projects from across the East Midlands shortlisted in the design and innovation category at the Royal Institution of Chartered Surveyors (RICS) awards.

Peter Ball, strategic research director of **BRE**, and formerly of Costain, was involved in the early stages of the project; he also has a key role on the Chartered Institute of Building Innovation and Research Panel.

Vistamatic, whose operations director, Mark Nash, will also speak, is working in close collaboration with BRE to identify the shortfalls in the specification process of products such as vision panels. A BRE report commissioned by Vistamatic recommends a regular consultation

process with the Department of Health, mental Health Trusts, and organisations such as the Design in Mental Health Network, in order to understand the current operational developments and changes which may impact on the use of vision panels.



Photo courtesy of Lincolnshire Partnerships NHS Foundation Trust

Maximising natural ventilation's benefits

With energy costs increasing, and growing pressure on organisations to cut their carbon emissions, **Trend Control Systems** says natural ventilation 'looks set to enjoy considerably wider use'.

The company explains: "Figures show that it can achieve a 40% reduction in CO₂ emissions compared with purely mechanical ventilation, while producing a healthier environment for a building's occupants, and indeed it has been shown to reduce headaches, fatigue, eye irritation, and loss of concentration, thereby improving productivity. In a healthcare environment, patients, staff,

and visitors, will all benefit from more comfortable conditions, and general wellbeing.

"Other sectors are already seeing a significant increase in naturally ventilated buildings – especially true in education where the majority of Building Schools for the Future projects feature natural ventilation. Given the benefits to both health and wellbeing, and energy savings, one can understand why the healthcare sector looks set to follow a similar trend."



John O'Leary

Within the *HEJ* Product Showcase area, Trend's key account manager, John O'Leary, will present on 'Developments in the Control of Naturally Ventilated Healthcare Buildings', discussing the company's latest 'intelligent' window control package, that can be fully integrated within its building energy management systems 'to maximise the benefits of natural ventilation'. Two successful examples, one within a hospital estate, and another at a health centre, will be described.