



Healthcare Estates[®]

Conference. Exhibition. Hybrid.



HOSPITALS OF THE FUTURE

Monday 18 October

DIGITAL CONFERENCE

09:00-09:30 **Welcome from Pete Sellars, Chief Executive Officer & Paul Fenton MBE, President, IHEEM**

09:30-10:00 Online Exhibition & Digital Networking

Keynote Address

10:00-10:30 An Introduction to the New Hospital Programme's Commercial Philosophy

Emma-Jane Houghton, Commercial Director, New Hospital Programme

10:30-11:00 In Conversation with David Flory, CBE, Designate Chair, Lancashire and South Cumbria ICS, Interim Chair, Cheshire and Merseyside ICS

Chaired by Pete Sellars, IHEEM CEO

Strategy

11:05-11:45 Wolfson Economics Prize 2021

*Robert Ede, Head of Health & Social Care/Prize Director, Policy Exchange
Chaired by Jonathan Erskine, Executive Director, EUHPN*

Design & Construction

11:05-11:45 Digital Challenges for the Healthcare Estate

Steve Batson, IHEEM ADBE Member, Graeme Hall, Executive Chairman, Brandon Medical. Chaired by Jonathan Stewart, National Chair, HEFMA

System Governance

11:05-11:45 Do We Know Which Hospital to Build and Why We're Doing it?

Stephen Wright, Independent Economic Consultant, Honorary Professor, University College London

Sustainability

11:05-11:45 Achieving Net Zero Carbon, Lessons Learnt from Trusts Leading the Way Using the Public Sector Decarbonisation Scheme

Terry Hull, Strategic Asset Services Director, GMS; Sarah Thomas, Deputy Chief Financial Officer, University Hospitals Birmingham NHSFT; Stephen Lowndes, Technical Director, Carbon & Energy Fund. Chaired by Andrew Chatten, Director of Estates & Facilities, Nottingham University Hospital

11:45-12:15 Online Exhibition & Digital Networking

12:15-12:55 Primary Care Estates Challenges

David Gratrix, Projects Director, Castle Gate Projects Ltd

13:00-13:40 Why System Wide Infrastructure Planning is Essential to Deliver an Efficient and Sustainable Health System

Nicola Theron, Director of Estates, North Central London, ICS; Ian Sabini, Managing Consultant, Gbp Partnerships Consult. Chaired by Mark Williams, IHEEM Council Member

12:15-12:55 Maintaining Quality Through Design & Construction - Approach to Quality Monitoring and Assurance

Richard Beattie, Senior Engineer & Thomas Rodger Principal Engineering Manager, Health Facilities Scotland chaired by Simon Adamson, IHEEM Conference Committee Member

13:00-14:00 The Future of Healthcare Design

Jaime Bishop, Fleet Architects, Hannah Brewster, ADP, John Cooper, John Cooper Architects. Chaired by Alice Green

12:15-12:55 Defining an Improved Asset Management and Lifecycle Capability for the NHS

Keith Hamer - Managing Director Gloucestershire Managed Services Chaired by Phil Wade, IHEEM Conference Committee Member

13:00-13:40 The Revised HTM 03-01 Specialised Ventilation for Healthcare Premises & HBN 06 Imaging and HBN 11 Primary Care

Malcolm Thomas, Main Author HTM03-01, Malcolm Thomas Consultancy

12:15-12:55 Decarbonising the NHS

Sameen Khan, Salix Finance

13:00-13:40 The Roadmap to a Net Zero Hospital

David Evans, Schneider Electric

13:40-14:00 Online Exhibition & Digital Networking

14:00-14:40 'Our Homes Within A Park' - Proactive Delivery of the Health and Wellbeing Agenda in Partnership with Alder Hey Children's NHS Foundation Trust

Harinder Dhaliwal, CEO, Step Places

14:40-15:20 Redeveloping Land for Financial, Strategic and Environmental Gain

Mark Trumper, London Northwest University Healthcare NHS Trust Chaired by Duane Passman, IHEEM Conference Committee Member

15:20-16:00 Producing an Approvable NHS Business Case in a Dynamic Policy Environment

Helen Pickering, Senior Director & Martin Clark, Director of Healthcare Advisory Service, Currie & Brown Chaired by Duane Passman, IHEEM Conference Committee Member

14:00-14:40 Principles of Design for Ergonomic Pendant Solutions for Minimally Invasive Surgery and Shorter Recovery Times in Intensive Care Units

Scott Pickering, Brandon Medical

14:40-15:20 Let's Not Forget Those Who Forget! What Individuals With Dementia Think of The Design of Their Living Environment?

Loukia Minetou, PhD Student; Dr Evangelia Chrysikou; Dr Niamh Murtagh, Bartlett School of Construction and Project Management UCL. Chaired by Mark Williams, IHEEM Council Member

15:20-16:00 Designing Mental Healthcare Settings to Prioritise Access to Outdoor Space: The Benefits for Wellbeing

Ruairi Reeves, Medical Architecture. Chaired by Simon Adamson, IHEEM Conference Committee Member

14:00-14:40 Fire Safety Management Competency

Andrew Foolkes, Tenos Ltd

14:40-15:20 How to Optimise a Hospital's Maintenance and Operations

Paul Armstrong, Schneider Electric

15:20-16:00 From Conception to Completion in 12 months - Modern Methods of Construction in Healthcare

Sarah Wallwork, Healthcare Planning Lead and Paul Webb, Project Principal, Mott MacDonald. Chaired by Phil Wade, IHEEM Conference Committee Member

14:00-14:40 Addressing the Challenge to Becoming Net Zero

Gail Scholes, Head of Public Sector and Housing, Zenergi

14:40-15:20 Meeting the NHS Net Zero 2040 Challenge

Paul Graham, Kingston Hospital NHS Trust; Julian Miller, Ameresco Ltd

15:20-16:00 The Greenest Health Building in the UK

Eugene Prinsloo; Jamie Andrews, Community Health Partnerships

16:00-16:30 Online Exhibition & Digital Networking

16:30-17:10 Future Healthcare Planning - Panel Discussion

Jonathan Erskin, Executive Director, EUHPN, Prof Grant Mills, Professor of Healthcare Infrastructure Delivery & Dr Anne Symons, Senior Research Fellow in Healthcare Design and Raed Ashour, Researcher, The Bartlett School of Sustainable Construction, Steve Batson, Studio Director, Stephen George Partnership, Stephen Wright, Independent Economic Consultant, Honorary Professor, University College London, Liesbeth van Heel, Researcher, Erasmus MC. Chaired by Pete Sellars, CEO, IHEEM

16:30-17:10 Delivering on The Potential of Modern Methods of Construction (MMC) Approaches For The Health Estate

Rob Ewen, K2 Consultancy. Chaired by Duane Passman, IHEEM Conference Committee Member

16:30-17:10 Technical Standards and Guidance Update Programme: Lesson Learned & Next Steps

Michael Rope, Head of Technical Guidance, NHS England & NHS Improvement Estates

16:30-17:10 Decarbonising Healthcare - Delivering NHS Net Zero Ambitions

Richard McWilliams, Turner & Townsend



INFRASTRUCTURE & FUTURE RESILIENCE

Tuesday 19 October

DIGITAL CONFERENCE

LIVE EXHIBITION

09:30-10:00 Exhibition/Platform Visit/Networking

Keynote Address

10:00-11:00 Preparing for and Dealing with the Unexpected.

Scott Hislop, Programme Delivery, NHSX & David Fassam, National Investigator, Healthcare Safety Investigation Branch (HSIB).
Chaired by Nigel Keery, IHEEM Council Member

Operational Management

11:05-11:45 How the Use of Platform-Based Approaches Help Deliver Net Zero Carbon Community Buildings at an Affordable Scale
Anastasia Chrysafi, Tim Carey, Willmot Dixon

Infrastructure Resilience

11:05-11:45 NHS Scotland Assure
Eddie McLaughlan, Assistant Director, Engineering, Environment and Decontamination, NHS National Services Scotland. Chaired by Alison Ryan, IHEEM Council Member

COVID-19 Lessons Learnt

11:05-11:45 The Emergency Department's Response to COVID-19: How Reactive Changes in Flow and Communications has Reshaped Our Vision for Future A&E Designs
Jon Huddy, Huddy Healthcare Solutions; Duncan Sissons, Sissons Consult Ltd. Chaired by Paul Fenton MBE, President, IHEEM

Future Requirements

11:05-11:55 Future Carbon Standards
Fiona Daly, National Sustainability and Workforce Lead, Estates and Facilities, NHSE&I, Rebecca Stubbs, Technical Advisor, Mott MacDonald, Paul Ruyssevelt, Professor of Energy and Building Performance at UCL Energy Institute, University College London chaired by Ian Hinitt, Chair of IHEEM Environmental Sustainability Technical Platform

11:45-12:15 Exhibition/Digital Platform Visit/Networking

12:15-12:55 Finding the True Value in Your BMS
John Dorward, Honeywell – Trend

12:15-12:55 Deliver Site Cost Savings & Improve Power Efficiency With One Power Monitoring System
Richard Govier, Socomec UK Ltd

12:15-12:55 Healthcare Provision in a Pandemic
Karina Jones, Eta Projects. Chaired by Paul Fenton MBE, President, IHEEM

12:15-12:55 Delivering New Hospitals Fit for an Uncertain Future
Martina Cardi, Bryden Wood

13:00-13:40 Protecting IOT Communication of Emergency Lighting in Healthcare Premises
Alan Daniels, P4. Chaired by Mark Williams, Director, EDGE

13:00-13:40 Principles of Insulating Monitoring Devices in Hospital Medical IT Systems
Matthew Mears, Bender UK. Chaired by Alison Ryan, IHEEM Council Member

13:00-13:40 COVID-19 Compliant Facility at New Cross Hospital
Simon Bourke, RPS Group

13:00-14:00 Procurement, Policy and Standards: How do we build what we actually need?
Faye Dolan, Procure Partnerships, Michelle Humphreys, Manchester NHSFT, Steve Bentley, Mott MacDonald, Conor Ellis, Archus. Chaired by Gareth Banks

13:40-14:00 Exhibition/Digital Platform Visit/Networking

14:00-14:40 NHS Good Food, Good Health
Phil Shelley, Senior Operational & Policy Manager – Soft FM & Emma Brookes, Head of Soft FM Strategy & Operations, NHS Estates & Facilities, Commercial Directorate. Chaired by Adrian Eggleton, IHEEM Conference Committee Member

14:00-14:40 Neutral Earthing and Fault Clearance With UPS Systems
Alex Emms, Kohler Uninterruptible Power. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

14:00-14:40 Net Zero Carbon Standards – Formal Information Session
Rebecca Stubbs, Technical Advisor, Mott MacDonald, Greg Chant-Hall, Operations Director, Square Gain. Chaired by Fiona Daly, National Sustainability and Workforce Lead

14:00-14:40 Challenging Hospital Planners and Designers to Early Integrate the Specialist Engineering and Manufacturing Supply Chain
Prof Grant Mills, Professor of Healthcare Infrastructure Delivery & Dr Anne Symons, Senior Research Fellow in Healthcare Design & Raed Ashour, Researcher, The Bartlett School of Sustainable Construction. Chaired by Mark Williams, IHEEM Council Member

14:40-15:20 Promoting Healthy Eating in Hospital/Ward Catering
Sue Brown, Associate Development Director; David Houghton Senior Project Manager, Alder Hey Childrens NHSFT

14:40-15:20 Design Considerations for the Modern Operating Theatre: Supporting the implementation of UHD Medical Video, Audio and AI capability
Richard McAuley, Brandon Medical

14:40-15:20 Ventilation Systems in Hospitals and COVID-19. What did we learn from the Pandemic?
Martin Deevy, Technical Director, Overclean Chaired by Richard Harris, IHEEM AE(V)

14:40-15:20 COVID-19 & Healthcare Integration
Smriti Singh, Arcadis

15:20-16:00 Chillers & Heat Pumps in Healthcare Premises
Sigrid Volkmann, STS

15:20-16:00 Battery Storage Installations for Hospitals
Bill Reeves, Eta Projects. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

15:20-16:00 COVID-19 Safe Re-Opening Case Study
Frank Mills, Frank Mills Consultancy

15:20-16:00 Providing a Safe Environment for Operating on Non-Infectious and Infectious patients
Richard Knight, Richard Knight Consultancy Ltd

16:00-16:30 Exhibition/Digital Platform Visit/Networking

16:30-17:10 Natural Technology and Healthcare: Greener Steam Technologies
Daniel Wells, National Consultant Specialist, Spirax Sarco

16:30-17:10 The Knowledge of Power – BMS Optimisation
Stewart Royle; Martin Norris, Saker Controls Ltd

16:30-17:10 "PROTECT" – COVID-19 National Core Study
Professor Catherine Noakes, OBE, Professor of Environmental Engineering for Buildings, University of Leeds. Chaired by Duncan Sissons, IHEEM Conference Committee Member

16:30-17:10 Technology to Capture, Extract and Purify Waste Anaesthetic Gases
Dr Matt Gopal, Head of Clinical Engagement, SageTech Medical Equipment Ltd. Chaired by Richard Harris, IHEEM AE(V)

18:15-19:30 Drinks Reception within the Exhibition Hall & Virtual Awards



SCIENCE & INNOVATION

Wednesday 20 October

DIGITAL CONFERENCE

LIVE EXHIBITION

09:30-10:00 Exhibition/Platform Visit/Networking

Keynote Address

10:00-11:00 Panel Discussion: Infection Resilient Environments

Dr Shaun Fitzgerald OBE, Director, Centre for Climate Repair at Cambridge
 Prof Peter Guthrie, Professor of Engineering for Sustainable Development, Department of Engineering, University of Cambridge
 Prof Catherine Noakes OBE, Professor of Environmental Engineering for Buildings, University of Leeds
 Andrew Poplett, Chair of IHEEM Ventilation Technical Platform
 Chaired by Paul Fenton MBE, IHEEM President

Research

11:05-11:45 Innovation in the New Alder Hey Hospital

Claire Liddy, Managing Director, Innovation; David Powell, Development Director, Alder Hey Childrens NHSFT. Chaired by Alison Ryan, IHEEM Council Member

New Technologies

11:05-11:45 The Future of Diagnostics with Facile's Quantum-Logic Aptamer Analyte Detection

Dr Steven Burden, Founder & CEO, Facile. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

Case Studies

11:05-11:45 "Wayfinding+" The Art of Better Orientation

Martin Jones, Art in Site. Chaired by Karina Jones, IHEEM AE(W)

IHEEM Technical Platforms

11:05-11:45 IHEEM Ventilation Technical Platform, HTM 03-01 (2021) – Update and Overview of Major Changes,

Andrew Poplett, IHEEM Ventilation Technical Platform Chair

11:45-12:15 Exhibition/Digital Platform Visit/Networking

12:15-12:55 User-Led, Innovative Healthcare Building Design

Rachel Beverley-Stevenson, OneMedical Property

12:15-12:55 Big Savings, Greater Efficiency, Optimised Care: Building Intelligence Platforms will Transform Hospitals

Rob Faro & Chris Evans, Talarke. Chaired by Karina Jones, IHEEM AE(W)

12:15-12:55 Creating Community Spaces for Patient Wellbeing

Alison Davies & Paul Cross NHS Property Services

12:15-12:55 IHEEM Electrical Technical Platform, How resilient is your Zero Carbon Electrical infrastructure?

Eugene Conroy, IHEEM Electrical Technical Platform Member

13:00-13:40 Safe Sustainable Operating Theatre Design in a Modern NHS

Rabiya Zia, University of Cambridge

13:00-13:40 Introduction to the UK Health Security Agency

Carole Fry, Infection Prevention and Control Lead, HCAI, Fungal, AMR, AMU & Sepsis Division, UK Health Security Agency. Chaired by Pete Sellars, IHEEM CEO

13:00-14:00 Virtually Healthy: How Digital Transformation is Changing the Design of Healthcare Environments

Claire Liddy, Alder Hey Children's NHSFT, Dr Ian Jackson, Ian Newell, Refero, Sirinda Bhandal, Simply Connect. Chaired by Caroline Mulholland

13:00-13:40 IHEEM Fire Safety Technical Platform

Stephen Ball, MSc, IHEEM Fire Safety Technical Platform Member

13:40-14:00 Exhibition/Digital Platform Visit/Networking

14:00-14:40 Decision Tools for Improving Energy and Environmental Performance of Hospital Energy Systems

Muditha Abeysekera, Cardiff University

14:00-14:40 Therapeutic Design with Cinematic Nature Art

Mark Minard, Moving Essence

14:00-14:40 Spatial Analytics - The Evolution of Space in the NHS

Ken Gordon & Dr Andrew Dobbins, Micad

14:00-14:40 IHEEM Water Technical Platform

Steve Mount, IHEEM Water Technical Platform Member

14:40-15:20 Physical Control of Microbiologically Contaminated Water in Healthcare Facilities

Marissa Khoukaz, Pall

14:40-15:20 Pharmafilter A Cleaner Hospital, A Healthier Environment where Health, Green and Clean-Tech Merge

Peter Kelly, Pharmafilter

14:40-15:20 Building the Nightingale Hospital North West – Q&A

Emma Lepley, Architect Associate, BDP Manchester; Matthew Hird, Architect Associate, BDP Manchester; Juliette Cosgrove, Chief Nurse and Director of Clinical Governance, NHS Professionals; Garry Bowker, Regional Director, North-West, Vinci

14:40-15:20 IHEEM Professional Development Committee Update

Carl McKenzie, Chair and Cliff Howell, Member of the IHEEM Professional Development Committee

15:20-16:00 Application of HVAC Air Filtration to Minimize Airborne Infection Risk

Peter Dymont, Camfil

15:20-16:00 UVC Light Based Technology Solutions for Better Healthcare Premise

Rasib Khan, 3H Technologies Ltd. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

15:20-16:00 Transforming Community Health Services Whilst Retaining Services on Site

Matt Tebbatt, One Creative Environments & Mark Jones, ADO Strategic Estates & Capital Planning, South Warwickshire NHS Foundation Trust

15:20-16:00 IHEEM Decontamination Platform, JAG/IHEEM Audit Tool – An Evolving Partnership to Raise Standards

Brian Kirk, IHEEM Decontamination Technical Platform, Chair and John Prendergast, IHEEM Decontamination Technical Platform, Member

16:00-16:30 Exhibition/Digital Platform Visit/Networking

16:30-17:10 Making the Invisible, Visible - Airborne Particle Monitoring and Control Systems Integration with Ventilation Canopies for Improved Infection Control and Higher Patient and Staff Safety

Scott Pickering, Brandon Medical. Chaired by Duncan Sissons, IHEEM Conference Committee Member

16:30-17:10 Wireless Bluetooth Mesh Lighting controls in Big Projects

Stephen Jackson, Casambi Technologies Oy. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

16:30-17:10 The Digital Hospital Experience

David Evans, Schneider Electric. Chaired by Mark Williams, IHEEM Council Member

16:30-17:10 IHEEM ADBE Technical Platform



Exhibition hall and exhibitor list

19-20 October

LIVE EXHIBITION

10architect F12	Geberit Sales..... D68	PAGABO G28
ADC – The Automatic Door Company..... C64	GEMchem G51	Pall Medical G50
Aerocom (UK) Ltd..... E28	Geoffrey Robinson Limited G52	Parkingeye..... A18
AFH..... H10	Gerflor C14	Perfect Circle C28
AFL Architects..... H38	Getinge..... C8	Phil-Tec..... B19
AG Instruments Ltd..... F67	Gilgen Door Systems G45	Portakabin..... E12
Aidcall C26	Gilling Dod Architects D10	Power Control..... B25
AkzoNobel G13	Glamox Luxonic B34	Powerstar A44
Alarm Radio Monitoring..... C50	Global View Systems..... B20	PPL Engineering Services B11
Altecnic..... H58	Gradus..... C20	PPL Training..... C1
Aqua Free GmbH..... D50	GT Cleaning Machines..... D30	Precision UK F20
Aqua Protec Ltd..... B63	Guardian Electrical Compliance.. D55	Premier Modular G29
Arco..... G9	Healthcare Design & Management G6	ProEconomy D46
ARI-Armaturen UK C4	HEFMA..... B32	Pro-Fire Systems..... C54
Arjo UK..... F51	Hiltons C44	Rada – A Kohler Company..... E62
Armitage Shanks..... F44	Howorth Air Technology A4	Record UK G5
Ascom D51	HSL Compliance..... D62	Refreshment Systems..... C29
ASSA ABLOY Entrance Systems Ltd..... D14	Hydro-X Water Treatment Ltd..... D58	Roth UK D56
AVM Services A12	Hysopt..... A40	S I Sealy & Associates C34
Avrenim Group Ltd A43	IBI Group..... H42	Safehinge Primera..... G20
Axis Automatic Entrance Systems G44	ICS Cool Energy B56	Saint-Gobain Ecophon..... G16
BeaconMedaes E64	IDEXX Technologies Ltd G56	Salto Systems..... C24
Bender UK D35	IHEEM & Health Estate Journal J1	Schneider Electric..... B50
BESA A66	Ingleton Wood G25	SFG20..... B9
BioClad..... D9	Interfurn Medical Systems Ltd A52	Shire Controls..... D20
Brandon Medical..... B1	InVentry B7	SHJ Hospital Pipelines..... C38
Britplas D4	ISG G15	SOCOMECH B29
Building & Facilities Management A20	JCA Engineering..... F16	Specialist Door Solutions D19
Catfoss..... D26	Karl Storz Endoscopy G64	Stable Media..... G2
CEF A38	Kemper UK & Ireland E48	Starkstrom F34
CIBSE/SoPHE..... C62	Kingsway Group D8	Static Systems Group..... D32
Cisterniser F62	Kohler Uninterruptible Power Ltd. B16	Steven A Hunt & Associates..... G34
Clearwater Technology D61	KwickScreen..... G10	Stirling Medical H57
Collida..... B31	Langley Waterproofing Systems Ltd..... F14	STJ Projects..... D39
Complete Ventilation Solutions... B38	Lawton Tubes B54	Sunbelt Rentals Limited..... A62
Construction Specialties UK Ltd. G43	Logan Construction E22	T.A.D Architects /T.A.D Facilities Management..... E8
Dart Valley F56	Lumenata..... F32	Tandrup UK..... G58
DAY Architectural..... G14	Media Area E50	TClarke C46
DDC Dolphin E56	Medical Architecture G46	Test Incorporated A2
Design in Mental Health Network... A3	Medical Engineering Systems..... E54	The Wandsworth Group VIP Area
Dionx Air Quality Systems Ltd A53	Medical Gas Services Ltd E4/E6/F5	Thorlux Lighting F4
Dr Schutz UK C15	Micad D63	Trend Control Systems C32
Draeger Medical UK Ltd..... D54	Midtherm UV Limited..... G62	Turner & Townsend G32
DSSR E32	Millennium Medical Products Ltd... B4	University of Bolton, School of Engineering..... A22
Duct Clean Scotland B62	Multivista A70	Veolia A34
Dupal UK F53	NAHFO B57	Vernacare..... B8
eEnergy Group PLC A28	neQis..... F65	Wernick G8
ENWA Water Technology B52	New Hospital Programme D22	Wheelshare F64
FLEXIM Instruments UK Ltd D64	NHSIE..... B59	WMSoc, LCA and CSCA..... H60
Forbo Flooring UK..... B44	NSR Management..... A14	Workspace (Scotland) LLP..... C10
Foris Solutions E14	Open Parking..... B26	WT Partnership..... G38
GAMA Healthcare G57	Overclean..... A8	Yeoman Shield..... B10
	P3 Phoenix Pipeline Products..... F8	Yewdale..... H26
	P4 C31	Zenergi B28