Healthcare Infection Society

BEIPI



BUILDING SAFER HOSPITALS 2026

GOODENOUGH COLLEGE, LONDON, 9 NOVEMBER 2026

Welcome

We are delighted to bring together, in this first Built Environment Infection Prevention Initiative (BEIPI) conference, healthcare leaders, infection prevention specialists, architects, engineers, estates teams, researchers and policymakers who share a commitment to creating safer healthcare environments.



As healthcare systems face growing challenges from healthcare-associated infections, antimicrobial resistance (AMR) and ageing infrastructure, the design and operation of our hospitals have never been more important. Our aim is to promote collaboration, identify solutions and embed infection prevention principles throughout the planning, construction and operation of healthcare facilities. Most importantly, we hope today's discussions spark new partnerships and actions that will help shape the hospitals of the future. Thank you for joining us and contributing to this important agenda.

Dr Manjula Meda

Consultant Clinical Microbiologist and IPC Dr,
Frimley Park NHS Foundation Trust, Chair of HIS

Platinum sponsors



T-safe is a trusted partner to more than 400 hospitals across the UK & Ireland, helping protect the most vulnerable end users from the risk of opportunistic waterborne infection, through pioneering water filtration.

T-safe360 is our approach to offering T-safe as a water safety solution. Through collaborative engagement with the Water Safety Group and its stakeholders, we support the implementation of T-safe through a robust process which includes, site survey, end user training, web based electronic tracking of filter deployment and the provision of dedicated technical support from our water safety experts.

T-safe provides sterilising grade membrane filtration, which has been independently validated through laboratory and clinical environment life cycle microbial retention studies. With production and quality control performed under strict conditions in accordance with ISO 13485, T-safe is trusted to deliver safe water by 1 in 3 NHS hospitals.



Tsafe

Medical Tap Filter Fixed Position

Specifically designed for clinical wash basins.

Compatibility



Compatible with vertical lever operated taps



Compatible with 'Shark fin' style basins

t-safe.com

Introducing FilterHub

Healthcare Water Safety. Connected.

Connecting sampling, results, remedial action and filtration in one digital platform.



Meet FilterHub

Read the insight post →

Tsafe

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Supra Perfecta manufactures SPT95™, a high-purity hypochlorous acid (HOCl), at its plant in Rotherham, South Yorkshire. HOCl is the active form of free chlorine and is far more biocidal than the hypochlorite ion that dominates bleach chemistry. The difficulty has always been keeping it pure and stable outside the laboratory. SPT95 is more than 95% HOCl, is supplied ready to use and holds its strength for 24 months.

In healthcare buildings our focus is water. Biofilm in tanks, pipework and low-use outlets is where Legionella and Pseudomonas aeruginosa persist. HOCl is a small, uncharged molecule that penetrates that biofilm rather than acting only on its surface. SPT95 doses into existing systems through standard pumps, stays active across water pH 2.8 to 10.1 and forms no THMs, HAAs or chlorite.
We are already doing this on live sites. At a UK facility that had failed 26 consecutive monthly Legionella tests under chlorine dioxide, Legionella was not detected after a 72-hour SPT95 shock dose and stayed undetected through ten weeks at 1 ppm. SPT95 has also been trialled on airport, estate and industrial water systems in the UK and the Gulf.

SPT95 is approved under DWI Regulation 31 and certified to NSF/ANSI/CAN 60, and our ActaPure™ alcohol-free hand and surface range is on the NHS Supply Chain framework. We operate to ISO 9001, ISO 14001 and ISO 45001.
We want to hear from estates, engineering and infection prevention teams with a water system that will not stay clean.

SUPRA PERFECTA

Introducing

ActaPure™ Disinfecting Handrub



Dermatologically approved

Alcohol-free

Kills pathogens

Supply chain codes

NPC	SPT Code	Lyreco Code	Description
MTH85230	ACTA/001000/GEL/500ML	22977388	ActaPure™ Disinfecting Handrub 500ml
MTH85229	ACTA/001000/GEL/900ML	22977399	ActaPure™ Disinfecting Handrub 900ml
MTH85231	ACTA/001000/GEL/75ML	22977402	ActaPure™ Disinfecting Handrub 75ml

ACTIVATED BY SPT95™ THE PROVEN STANDARD

MADE IN BRITAIN

EN APPROVED

Hospital water, clean at source

SPT95™'s **32,000ppm concentration**, **more than 95% HOCl purity** and **24-month stability** make our HOCl the only viable, cost-efficient HOCl water treatment at scale.

SPT95™ Hypochlorous Acid penetrates biofilm and controls *Legionella* and *Pseudomonas* in live hot and cold water systems, dosed into the system you already have.

26

failed monthly *Legionella* tests under high-dose chlorine dioxide. Not detected 72 hours after switching to SPT95™.

1ppm

maintenance dose held all six outlets clear for 10 weeks, confirmed by a UKAS-accredited laboratory.

0

THMs, HAAs or chlorite formed; chlorate at trace level only, per our NSF/ANSI/CAN 60 report.

Bring us a problem water system.
We will trial SPT95™ on it.

Contact us today!

Supra Perfecta Technology Services Ltd
20 Wenlock Road, London N1 7GU
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Gold Sponsors

SDS is the UK's leading designer and manufacturer of specialist doorsets for healthcare environments.

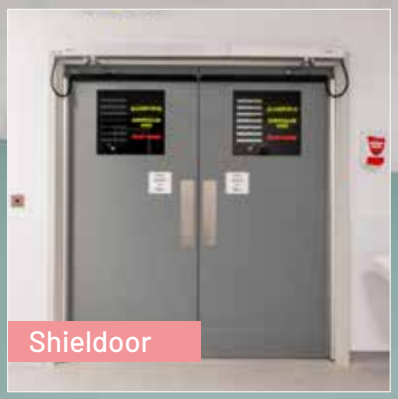
With a 40+ year track record of successful collaboration with architects, contractors, NHS trusts and private hospitals - SDS are proud to supply fully compliant and durable doorsets that meet the long-term and specialist requirements for all healthcare applications.

SDS's highly experienced team are specialists: experts in product innovation, dedicated to ensuring their customers' technical and commercial needs are fully met; and sincere in how they run their business, communicate with customers and nurture business relationships.

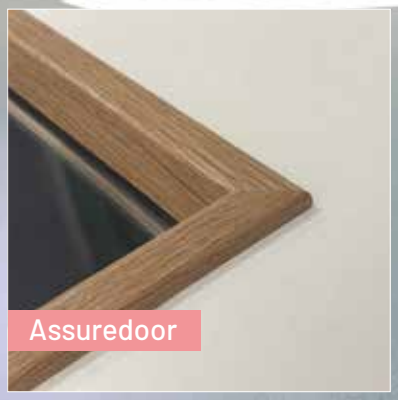
Purifying Air. Protecting Lives.
We are a specialist engineering manufacturer dedicated to improving air quality and reducing the risks of healthcare-associated infections (HAIs). Our approach at Germicidal UV is pragmatic – focusing on simple, effective, and economical UVC air purification solutions without unnecessary complexity or gimmicks. Our flagship product is a self-supporting UVC air purification unit designed to fit within a single suspended ceiling tile space, ensuring easy installation with minimal disruption.

In areas without ceiling access, we utilise proven upper-room UVC technology, designed to meet both American and European safety standards. With thousands of hours of research, we understand how to maximise UVC performance while ensuring safety for patients and staff. As a Corporate Partner of HIS, we are committed to working alongside healthcare professionals to create safer environments.

Our philosophy at Germicidal UV is simple: proven technology, paired with proven design, delivers proven results—because a room is only as safe as the air within it.







Clariglide

The right doorset can make a difference to infection prevention.

From theatres and clean areas to busy corridors and clinical support spaces, we understand that healthcare doorsets must meet demanding hygiene and durability requirements.

SDS helps healthcare teams choose the right doorset for every application, considering cleanability, surface durability and the specific demands of the environment to support effective infection prevention practices.

Visit: specialistdoorsolutions.com
Call: 01420 543222
Email: sales@specialistdoorsolutions.com

SDS
THE HEALTHCARE DOOR SPECIALIST

Transforming Air Quality in Healthcare & Commercial Spaces

01 — UVC AIR TREATMENT



ACTIVE UVC
CEILING-MOUNTED

PASSIVE UVC
UPPER-ROOM

Active & Passive UVC

Active units draw room air through an enclosed UVC chamber and return it treated. Passive upper-air units irradiate the air above head height. Both work continuously in occupied spaces, without disruption to clinical or commercial operations.

02 — UVC WATER TREATMENT

Introducing

Steritrap

Biofilm Control at the Point of Risk

Designed to eliminate microbial build-up in sink traps and help protect high-risk healthcare environments from waterborne pathogens.



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info@g-uv.co.uk

Gold Sponsors

JETS Vacuum – Rethinking Drainage for Healthcare

Hospitals never stand still - clinical requirements evolve, departments move and adapt, yet conventional drainage is typically designed around fixed layouts.

JETS Vacuum offers a different approach. Vacuum drainage can remove the need for internal drainage manholes and provides freedom in positioning sanitary appliances, without the need for sanitary appliances and drainage pipework to be vertically aligned floor by floor. This can make clinical spaces easier to adapt, accommodate late design changes and support modifications required while the hospital remains operational.

There is also an important infection-prevention question to explore. Research into conventional drainage has shown that pressure surges in drainage system can contribute to the release of bacteria. Vacuum drainage operates on different engineering principles, avoiding these pressure surges at sanitary appliances.

Vacuum drainage technology features in major developments, including the Bloomberg Building in London and RC Hospital in Truro.

Could comparative testing demonstrate a measurable reduction in bacterial spread?

At the Building Safer Hospitals Conference, JETS wants to connect with healthcare professionals, researchers and industry partners to help define the research needed to answer that question.

Our ambition is to help create hospitals that are safer, more adaptable and easier to operate.

VACUUM DRAINAGE

Rethinking Drainage for Better Healthcare Environments

HYGIENE

Remove internal manholes

Reduces infrastructure-related infection-control and safety risks

EFFICIENCY

Cost-effective to build and operate

Cost-neutral installation,
potential to shorten construction programme

Vacuum toilets use less than 1 litre/flush

FLEXIBILITY

Design for change

No need to align appliances floor-by-floor

Late design change,
alterations and appliance re-positioning during operation without destructive works

Safer infrastructure.
More adaptable hospitals.



ROYAL CORNWALL HOSPITAL



BLOOMBERG BUILDING



WYCOMBE HOSPITAL

40 YEARS 1986–2026

JETS®

Silver Sponsors

Inivos is your dedicated partner in infection prevention and control, driven by innovative solutions that eliminate pathogens and safeguard vulnerable populations. Our dedication to reducing HCAI in healthcare settings reflect our unwavering commitment to patient safety. Trust Inivos to deliver innovative solutions, fast and comprehensive support, empowering you to focus on compassionate care.

UK Health Security Agency

Discover how UKHSA's biosafety experts use our mock hospital ward to investigate pathogen transmission and test infection-control interventions under realistic conditions. Learn how evidence generated through these studies can strengthen the evidence base and support the development and evaluation of infection prevention solutions.

Programme

Session 1: Building Safer Hospitals

Time	Title	Speaker
09:30 - 09.35	Welcome and introduction	Ron Finlay, Chair of BEIPI (Built Environment Infection Prevention Initiative)
09.35 - 09.40	Chair welcome	Dr Manjula Meda, Consultant Clin Microbiologist and IPC Dr, Frimley Park NHS Foundation Trust, Chair of HIS
09.40 - 09.50	The Antimicrobial Resistance challenge	Dr Michael Weinbren, Consultant Clin Microbiologist and IPC Dr, Advisor New Hospitals Programme
09.50 - 10.00	Is the built environment and those who create and maintain it – the missing pillar?	George McCracken, Head of Estates Risk and Environment, BEIPI
10:00 - 10.30	**Keynote Address 1:** Antimicrobial Resistance and the future of healthcare	Lord Jim O'Neill, Member of the House of Lords, Chair of the Review on Antimicrobial Resistance commissioned by the UK Government, Chair of Northern Gritstone, Chair and Co-Founder of a new Policy Platform, BRICS+ Thinking, Co-President and formerly Chair of, Northern Powerhouse Partnership.
10.30-10.45	Panel discussion	
10.45-11:15	Break, exhibition & abstract posters	

Programme

Session 2: Changing the way we build and manage healthcare built environment

Time	Title	Speaker
11:15-11.20	Chair welcome	Dr Joost Hopman, Consultant Clin Microbiologist and IPC Dr, University Medical Center Groningen
11.20 - 11.50	**Keynote Address 2:** The patient and family voice — the human consequences of design decisions and opportunities for leadership in creating safer healthcare environments	Professor John Cuddihy
11.50 - 12.00	Planning for better outcomes	Rachelle McDade, Director of Healthcare Planning, Currie & Brown
12.00-12.10	Designing in safety from day one	James Gordon, Associate Director, Healthcare Lead at P+HS Architects (Architects for Health committee member)
12.10-12.20	Engineering better hospitals	Graham Day, Associate Principal, Introba
12.20-12.30	International perspectives on how healthcare design can be used to impact healthcare associated infections	Dr Wolfgang Sunder, Professor TU Braunschweig
12.30-12.45	Panel discussion	
12:45 - 13:45	Lunch, exhibition & abstract posters	

Programme

Session 3: Beyond Compliance and Change through improved competence

Time	Title	Speaker
13:45- 13.50	Chair welcome	Dr Susanne Surman-Lee, Director, Leegionella Ltd
13.50-14.00	How do we evaluate and maintain post occupancy safety and develop a system of continuous feedback	Nigel Keery, IHEEM President & Head of Estates Operations, Belfast Health and Social Care Trust
14.00-14.10	Avoiding IPC challenges	John Bodley-Scott, Senior Design Manager, Sisk
14.10-14.20	Testing & commissioning of new builds and refurbishment - what have we learnt and how do we improve	Mike Dunne, Technical Director, Stantec UK Limited
14.20-14.30	Potential global outreach for improving design and construction of water and wastewater systems	Sean Kearney, Managing Director, IWSH Foundation Co-Secretariat, World Plumbing Council
14.30-14.45	Panel discussion	
14.45-15.15	Break, exhibition & abstract posters	

Programme

Session 4: What can the NHS and the allied organisations do differently?

Time	Title	Speaker
15.15-15.20	Chair welcome	Dr Chris Settle, Consultant Microbiologist, Tyneside and Sunderland NHS Foundation Trust
15.20-15.30	Role of the Trust Board in ensuring occupant safety - through culture, competency and contacts	Dr Tim Ho, Chief Medical Officer & Consultant Chest Physician, Frimley Health NHS Foundation Trust Executive /Board Perspective
15.30-15.40	How do we incorporate the BE and necessary competence & expertise, into the NAP on AMR?	Dr Colin Brown, Deputy Director, Clinical and Emerging Infections, UKHSA, UK
15.40-15.55	Panel discussion	
15.55-16.00	Key messages, BEIPI next steps	Dr Manjula Meda, Consultant Clin Microbiologist and IPC Dr, Frimley Park NHS Foundation Trust, Chair of HIS

Abstract Poster Presentations

ID	Title	Author
3	Integrating NETB 2024/3 into Risk-Structured Design Decision-Making: A Hierarchical Task Analysis for Water Safety in an NHS Capital Project	Daniel Mziray, York & Scarborough NHS Foundation Trust
5	BioEffective Surfaces for Transport (BEST) Network – Callout for Collaborators	Jo Flint, BioEffective Surfaces Network - Manchester Met Uni
6	Future-Proofing Hospital Design Through Vacuum Drainage: The Buckinghamshire Healthcare NHS Trust Wycombe Hospital Case Study	Kris Wojick, Jets Group
7	Carry on Commissioning: Lessons from Healthcare Water Projects	Mark Conway, Harper Water Management Group
8	Operational Neuropathy: An Evidence-Chain Assurance Method for NHS PAM Domains and Built-Environment Infection Prevention Risk	Allen Howe, Trevalyan Consulting
9	"Wastewater as Hidden IPC Infrastructure: Mapping Drainage, Biofilm and AMR-Relevant Risk in Healthcare Buildings"	Allen Howe, Trevalyan Consulting
10	Internal Positioning Systems and the EFM Flight Deck: Real-Time Traceability for Safer Healthcare Buildings	Allen Howe, Trevalyan Consulting
11	Backlog Maintenance as Built-Environment IPC and AMR Exposure: A Board Assurance Translation Method	Allen Howe, Trevalyan Consulting
13	"Healthcare Waste Water Treatment Unit: Translating Oxwash Closed-Loop Process Control into Hospital Water, AMR and Pharmaceutical-Residue Risk Reduction"	Allen Howe, Trevalyan Consulting
14	‘Lifting the curtain on ensuite showers’.	Breda O'Brien, University Hospital Limerick
15	Should the “Frimley Faucet” become a standard design principle for safer healthcare water and wastewater systems?	Victoria Gentry, Frimley Health NHS Hospitals Trust

Abstract Poster Presentations

ID	Title	Author
16	Infection prevention and control in healthcare design: a rapid scoping analysis for high-risk clinical areas to inform evidence-based guidance	Catherine Ho, ARHAI Scotland
17	Expanding on U.K's first water and wastewater safe environment (WAWE) hospital's experience from adult intensive care to Neonatal Unit	Victoria Gentry, Frimley Health NHS Hospitals Trust
18	Building bridges: Improving liaison between IPCT and Estates	Chris Lynch, NHS Lanarkshire
19	Animate to Educate: How using animation can inform IPC risks in healthcare construction	Mark Clark, ARHAI Scotland
20	From First Fill to Handover: Monochloramine Dosing as a Strategy to Prevent Waterborne Pathogen Related Delays in New-Build Hospital Water Systems	Hari Singh, Goodwater Ltd
21	Making Older NHS Estates Safer Through the Implementation of Water and Wastewater Safe Environment (WAWE) Principles in Existing Older People's Wards	Frimley Health NHS Foundation Trust
22	Bacterial Community and Resistance Profiling in Sink Trap Biofilms of Augmented Care Units in a North Wales Hospital	Rande Dzay, Bangor University
23	Defining "Safe" Hospitals: Proposing the Foundations for Healthcare Buildings of the Future	Dr Shanom Ali, Environmental Research Laboratory - UCLH NHS Trust
24	"Designing for Safety: Translating the NHS Scotland National Infection Prevention and Control Manual (NIPCM) Chapter 4.1 (Water) into Practice through Governance, Risk Assessment and Organisational Assurance Processes "	Christina Coulombe, NHS Lanarkshire
25	Improved Healthcare Dirty Utility Design	Mark Conway, Harper Water Management Group
26	Hospital sewer systems: from passive drainage infrastructure to an integral component of infection prevention	Mariëtte Lokate, UMCG

For our full calendar of upcoming events, please visit:
his.org.uk/training-events/

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