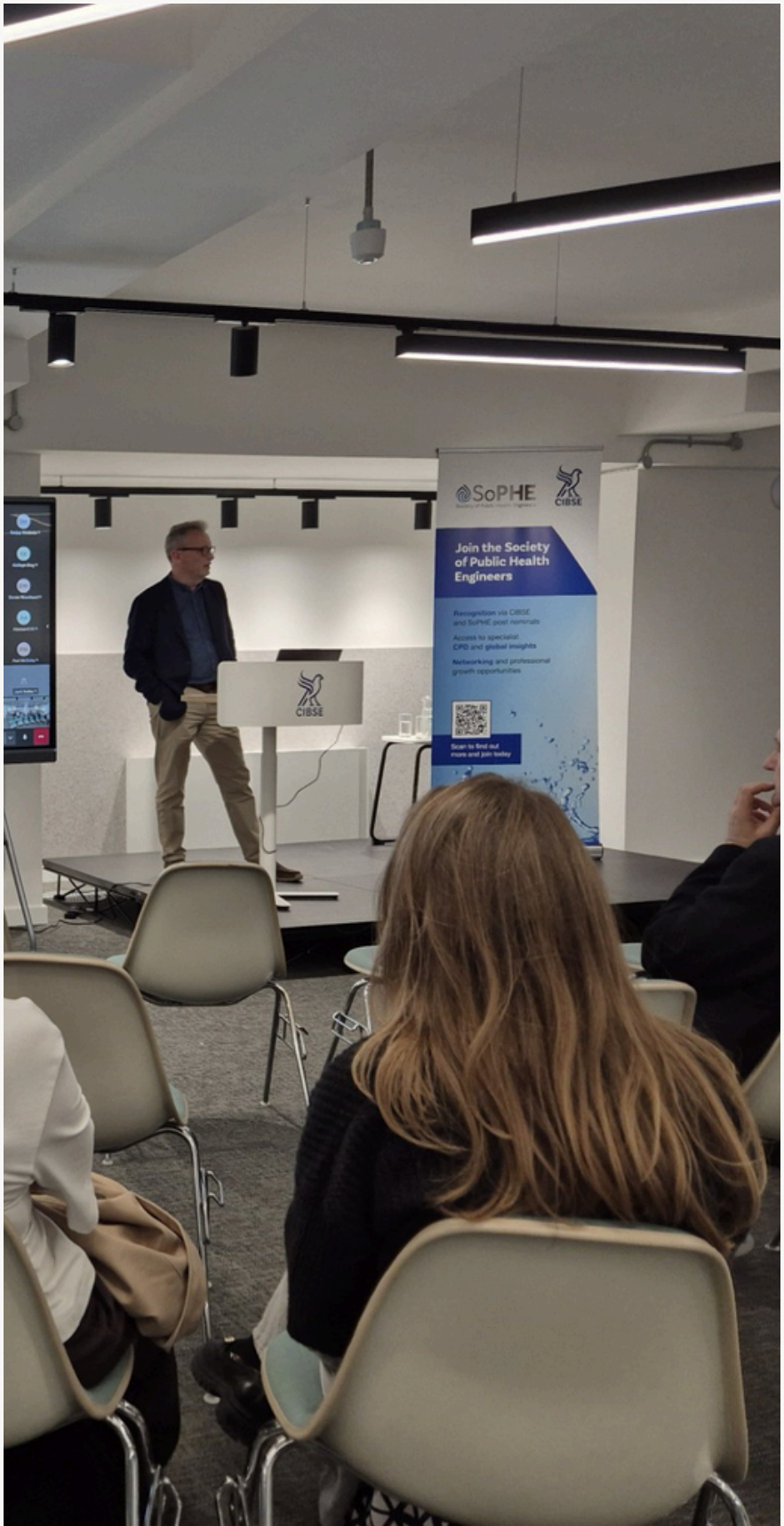
SoPHE Newsletter

society of public health engineers

Issue 11 | Spring 2026

Sustainability



Lochinvar

An article to explore the needs of t decarbonising hot water generation for healthcare facilities; as well as their solutions.

AGM

The annual general meeting took place on the 8th April. We'd like to welcome all the new and thank all the returning committee members.

The role of water

Cristiano Michelena's thought piece explores the role of water in reducing the carbon footprints of the built environement.

Messages from the Chairs

Mike Carter
Chair
Arup

Welcome to the spring edition of the SoPHE newsletter. We have just concluded a fabulous year as a Society, launching the new refreshed SoPHE brand, ogether with significant industry engagement through conferences, the launch of the tall buildings drainage design guide (TM70) and through multiple technical CPDs, globally and within the UK; our aim being to continue to enhance the positive growth of Public Health engineering within the construction industry.

On the 8th of April we held our AGM where we were able to not only celebrate the achievements through the past year, but to also set out our plan for the coming 12 months. As a society we have the opportunity to influence and enhance water conservation within construction design to meet the challenges of the climate crisis. We have multiple CPDs in varying regions planned throughout the year and the revised date for our next conference covering the topic 'beyond compliance' will be published soon.

I would like to thank the SoPHE Committee, our Industrial Associates and our wider membership for the engagement and continued support through the last 12 months and would equally like to wish everyone every success with the coming year

Paul Marsden
IWG Chair
Grundfos

This editions focus is on sustainability, and how to engineer buildings sustainably remains a key challenge for you as engineers.
But it is also a challenge for manufacturers, providing us with opportunities and making for an exciting time to be involved as we continue the transition to a low/zero carbon world.
Our members have products suitable for use within your designs. But much more than that and a point made previously, we have innovative, sustainable solutions and a wealth of experience and expertise that we willingly make available.
With this in mind I would encourage you all, especially those younger engineers, to engage with us and, perhaps more importantly, to challenge us. Doing so will help create a more sustainable Public Health environment.
last but not least, I would like to welcome our newest Industrial Associate members: Evolve Water, Pump Technical Services Limited, Ormandy Rycroft, McDonald Water Storage, Grundfos Water Treatment.

EVOLVE WATER

McDonald Water Storage

Ormandy Rycroft Heating & Cooling Solutions

PTS PUMP TECHNICAL SERVICES LIMITED

GRUNDFOS Grundfos Water Treatment

Letter from the Editor

Amanda Stanley
Hoare Lea

This edition focuses on sustainability and the role our profession plays in supporting a more responsible built environment. Contributors explore practical ways to reduce environmental impact, improve efficiency, and respond to evolving regulatory and client expectations. Together, the articles highlight both the challenges and opportunities ahead, and the importance of informed, collaborative approaches to delivering meaningful progress.

In this issue, I also share an update on recent activities, reflecting ongoing engagement across the sector and continued work to support and represent our professional community. These experiences highlight the breadth of work taking place and the value of collaboration across the industry.

Joe Russell (SoPHE Committee Secretary) and I (SoPHE Head of Communication) have been granted and admitted, along with four other new members, to the Freedom of the City of London, becoming Freemen by Redemption.

This week, we joined The Worshipful Company of Plumbers, established in 1365 and one of the oldest Livery Companies in the City. In a closed ceremony at the Guildhall, we swore our fealty to the King and the Mayor of London, witnessed by our families, the Master Sandra Raine and Upper Warden Janet Rivers. We will have the privilege of becoming Liverymen by Redemption in April. As Freemen, we will support the Company's educational and charitable aims and promote the importance of plumbing.

We welcome contributions for the summer edition, which will focus on Water Treatment. If you would like to submit a thought piece or other content, please do get in touch.

Finally, thank you to the communications team who have been working behind the scenes to collate this newsletter:

Amanda Stanley
Hoare Lea
Editor & Content

Jack Batley
CIBSE
CIBSE Laision

Jenny Thompson-Alexander
RCDC
Design & Production

Matt Watson
New haden Pumps
Industrial Associate

Tom Bailey
Lochinvar
Industrial Associate

Regional & Sub-commitee Updates

Malcolm Atherton
Northwest
Water Consultants Ltd

14th Northern Annual Dinner will be Friday 8th May 2026! The Midland Hotel in Manchester as always is booked.

"Official" invites have been sent out to the respective SoPHE Industrial Associate members; as of Mon 16th March, there were 102 places booked.

Jack Brown & John Bothma organise the face to face CPD programme; our last CPD held at the Rain Bar was on Wednesday 18th March 2026; it was provided by Chris Smith from Rinnai UK Ltd, and the presentation was entitled "Analysing the SPF of Heat Pump Systems for commercial DHW applications". It was a great success in which we had an audience of 10 people attending. Thanks to everyone who attended & I hope that more will come to these events in the future. The next CPD is to take place on Wednesday 20th May 2026 (Geoff Ball from Xylem Water Solutions Ltd).

We had an extra CPD on Thursday 5th March 2026; Jassim Daureeawo & Professor Michael agreed to do their presentation on TM70 Tall Buildings drainage design, which was given in London, in December 2025. 39 people attended this event, which took place at the Rain Bar.

IHEEM Healthcare Exhibition 2026 is to take place on Tuesday 13th & Wednesday 14th October 2026. If you envisage being in Manchester on either of those days, I'd be grateful if you could volunteer a couple of hours of your time to help man the Stand!

James Buckley
West Midlands
Couch Perry & Wilkes LLP

I recently assumed responsibility for the SoPHE Midlands region, following a period in which Malcolm Atherton kindly provided temporary oversight.

Since stepping into the role, my priority has been to revitalise member engagement, strengthen attendance, and ensure that the region continues to provide meaningful professional development and networking opportunities for our members.

One of the first changes introduced was the relocation of our meetings to 103 Colmore Row, a modern, centrally located venue that reflects the professionalism and forward-thinking nature of our membership. Feedback on the new location has been extremely positive, with members welcoming both the improved accessibility and the contemporary setting. Alongside this move, our CPD sessions were transitioned to a lunchtime format. This change was made specifically to remove barriers to attendance, making it easier for members to participate without impacting the wider working day. The combination of a fresh, modern venue and more convenient timing has resulted in a noticeable increase in attendance, as well as encouraging feedback on the quality and accessibility of our sessions.

Looking ahead, our focus remains on sustaining this momentum. Over the next six months, we will continue to deliver high-quality CPD events aligned with member interests while also placing a renewed emphasis on growing the Midlands network

socially as well as professionally. Networking is a fundamental part of SoPHE's value, and creating opportunities for members to connect informally is key to building a strong, engaged regional community.

To support this, we are currently planning a large social manufacturer-supported event in September, with the very welcome help of Lutz Johnen at Aqua-lity. This event will represent an important step forward for the Midlands, providing a platform for members to build relationships, share experiences, and strengthen connections across disciplines and organisations. Our aim is not only to increase attendance but to foster a sense of identity and pride within the Midlands region.

In the longer term, we hope this will be the foundation for even more ambitious initiatives. One aspiration is to establish a Midlands dinner event, akin to the well-established regional dinners held in the North and South. While this remains a future goal, the enthusiasm and engagement we are beginning to see suggests that it is an achievable ambition given continued support from members and partners alike.

Overall, the focus for SoPHE Midlands is clear: to offer accessible, relevant CPD, to create opportunities for meaningful networking, and to continue growing the region in a way that reflects the needs and aspirations of its members. I am very much looking forward to building on the progress made so far and to working collaboratively with our members to shape a strong and vibrant future for the Midlands

Sanjay Modasia
Vice Chair
JA Brooks

In the coming months, it is going to be a busy period. There is plenty going on that I will be organising and attending. Including

8th May Northern Dinner – Really looking forward to this.

19th June the PCE YEN competition – Last year we celebrated SoPHE's 21st Anniversary London Dinner, or this event the winners Saskia Verkaik and Harry Robbiati were awarded a trip to Ghana where they will get involved with some amazing projects helping local communities with the charity Village by Village….how knows what the prize will be this year!

17th June Technical Presentation Design Liability

23rd - 25th June World Plumbing Event NEC

August Summer Networking Event

September YEN Evening Event

Hope you see at the events.

Book your place

Giovani Tauckoor
MENA
WSP

With the current situation in the MENA region, prioritizing safety and the wellbeing of the Public Health community remains essential. As a result, several technical events have been postponed to later in the year.

Upcoming Technical Events

- May: HDPE Drainage Applications – Geberit
- June: Grease Management Systems – ACO
- July: Wastewater Drainage Applications – Grundfos

We are also planning a factory visit to Grundfos in Denmark & Hungary, offering hands-on exposure and specialized training on pumping systems for the built environment.

A key priority for SoPHE MENA is the expansion of the Public Health Network into the wider KSA region. To support this, we are coordinating several face-to-face technical events in collaboration with our industry partners.

Our overarching goal remains unchanged: to promote excellence, innovation, and professional integrity, while continuing to strengthen membership growth and engagement across the region.

George Fall
YEN
Chapmanbdsp

It is an honour to have been selected as Chair of the SoPHE Young Engineers Network and a privilege to represent such a motivated and forward-thinking group of early career professionals within the public health engineering fraternity.

I would like to thank the SoPHE steering committee, industry working group, and wider membership for their confidence and support in nominating me for this role.

I am excited about the opportunity to build on the excellent work undertaken by the previous chairs and look forward to guiding the YEN as we continue to support professional development, collaboration, and engagement across the industry. I am enthusiastic about what we can achieve together in the coming years and hope to meet up with you all at the various events that SoPHE run throughout the year.

In memory of Don Barron

Mike Carter
Arup

It is with great sadness that I must report that Don Barron passed away on April 22nd 2026. Don was one of the founding SoPHE committee members, leading the education group in the early SoPHE years. He was a fabulous supporter of SoPHE, engaging in events right up to this year. Don was an Honourary Fellow of our Society.

Don commenced his career in 1956, initially working through an apprenticeship with John Mowlem before taking on a role as a plumbing engineer at Norman and Dawbarn. He spent the early part of his career working on projects in Africa as an engineer, initially from the UK then moving out to South Africa, setting up an office in Johannesburg for Ehrlich and Wilson, working there as a Partner in the business. Don followed this with spells at the Anglo-American Mining Company and Foster Wheeler. Don then returned to the UK in 1978 and joined Arup, where he spent 30 years of his working life, attaining the grade of Associate Director, retiring from Arup in 2008. He subsequently joined Buchanan Hartley Environment as a Technical Director, before starting his own Consultancy in 2023.

Don was extremely proud of his career in the Public Health design industry. His accomplishments included becoming a Chartered Engineer and (Fellow) of CIBSE, SoPHE, CIWEM and CIPHE. In 2023, Don became a Freeman of the City of London and a Liveryman of the Worshipful Company of Plumbers, and in 2025 he received the Guilds Master Plumber Award.

Don will be sadly missed by all who knew him. He is survived by his wife Lesley, daughters and grandchildren. Our sincere condolences go to Lesley and all members of Don's family.

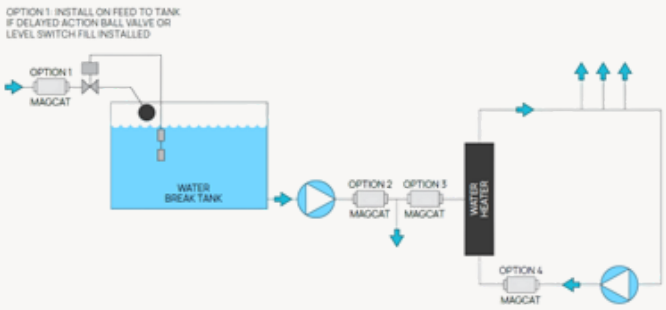
The Magcat Dual Treatment Water Conditioner

Claire Hansberry
Evolve Water

A fit and forget conditioner

The Magcat is a dual treatment system using non-sacrificial catalytic semi-precious alloy (lead free) and a supporting array of neodymium magnets at minimum 6000 Gauss. The dual treatment provides truly effective treatment for a broad range of conditions. It works by affecting the scale forming minerals, driving them to a different form and rebalancing the water to establish long term protection.

The Magcat can be installed vertically or horizontally, has no upper hardness limit, needs no power, earthing, commissioning or maintenance and has a lifespan of 20-25 years. The Magcat is fully recyclable at end of life.



TM65 Embodied Carbon Score verified by CIBSE Certifications Embodied Carbon Verification Scheme has been calculated for each of these products.

The standard sizes range from ½" BPST to 14" PN16 flange, allowing a huge range of flow rates to be accommodated.

EVOLVE WATER

With robust case studies from around the world and prominent university analysis from US and the UK spanning 20 years, the Magcat conditioner has been proven time and again to provide total protection from hard scale build-up. In fact, we have enabled our customers to negate the need for a softener or chemical treatment protecting against hard scale build-up in cold drinking water, calorifiers, heat exchangers, HVAC systems, ASHP's, compressors, and cooling systems around the globe.

Evolve Water delivers expert water treatment and purification services across the UK, offering dedicated support from initial consultation through to long-term maintenance.

We offer specialised knowledge in all aspects of water treatment including: water conditioning, filtration incorporating side stream, multi-media and UV, softening, chemical dosing, reverse osmosis Including RO recycle, deionisation (MCDi) and our bespoke water treatment systems.

As part of the Fluid Dynamics International group, we combine local expertise with global innovation to provide reliable and sustainable solutions. One of our flag-ship products, the Magcat Water Conditioner, designed and manufactured in the UK, has stood the test of time as an outstanding and consistent performer in the field of water conditioning.

Water Efficency: A key to reducing carbon footprints

Cristiano Michelena
Vector 56

In the relentless pursuit of mitigating climate change, the spotlight often shines on reducing carbon emissions through energy conservation and sustainable practices.

Yet, a vital component frequently escapes the limelight: water efficiency. Imagine a world where every drop of water saved translates into a tangible reduction in carbon footprints. This synergy between water conservation and carbon reduction holds immense potential for fostering a greener, more resilient planet. By delving into the intricate connection between water usage and carbon output, we uncover a powerful strategy that enhances sustainability on multiple fronts.

This connection is critical given the escalating challenges of water scarcity. For example, forecasts like those from Thames Water, predicting a daily shortfall of over 1 billion litres within 50 years, underscore the urgent need to integrate water efficiency into sustainable supply strategies, ecosystem protection, and holistic resource management. The energy required to treat and distribute potable water, often exceeding 5% of a city's total energy consumption and derived from carbon-intensive sources, directly links water usage to carbon footprints. Public health engineers, by championing water-efficient systems, can directly address this nexus. This article explores the impact of water conservation on

carbon reduction, focusing on engineering solutions and their practical applications across key sectors.

The Carbon-Water Nexus

Water and energy share a profound interdependency, forming a nexus that significantly influences our environmental impact. Extracting, treating, and distributing water demands considerable energy, often derived from carbon-intensive fossil fuels. Conversely, producing energy requires substantial water use. This dynamic interplay means that enhancing water efficiency can lead to notable reductions in carbon emissions.

The water-energy nexus is crucial for understanding carbon reduction. Every cubic meter of potable water requires energy for extraction, treatment, and distribution—typically amounting to 3-4 kWh per cubic meter. Similarly, energy production consumes large quantities of water; for instance, thermoelectric power plants can withdraw up to 190 Liters of water per kilowatt-hour produced. This interdependency implies that optimizing water efficiency directly translates to reduced energy demand and, consequently, lower carbon emissions. Engineers must consider this nexus when designing water systems, aiming for solutions that minimize both water and energy consumption.

Read the rest of the article online

Decarbonising Hospitals & Healthcare Facilities

Tom Bailey
Lochinvar

Meeting the NHS's Ambitious 2032 Targets With Proven, Practical Water Heating Innovation.

Hospitals and healthcare facilities across the UK face a unique challenge:how to reduce carbon emissions rapidly while maintaining the absolute reliability required for critical environments. With the NHS targeting a 40% reduction in scope 1 and scope 2 emissions by 2032, estates teams are under increasing pressure to identify practical, scalable solutions that support day-to-day operations while contributing meaningfully to long-term decarbonisation goals.

To support this transformation, Lochinvar has published a new downloadable guide, **"Decarbonising Hospitals & Healthcare Facilities,"** offering a high-level overview of the opportunities available across different healthcare building types—and how water heating strategies can materially accelerate progress.

Every Healthcare Building Is Different and So Are Its Heating & DHW Needs

Healthcare estates are rarely uniform. Acute care hospitals, mental health facilities, GP surgeries, community clinics, laboratories, and support buildings all carry distinct heating and hot water demands.

The guide explores how:

- High-dependency clinical environments require substantial and reliable domestic hot water (DHW) performance.
- Older estate buildings must balance system compatibility with low-carbon upgrades.
- Support buildings and laboratories often present untapped opportunities for decarbonisation through ambient heat recovery.

Lochinvar's extensive experience working with the healthcare sector means we understand these nuances—and have engineered solutions to meet them.

Imperium: A Proven Pathway to Low-Carbon Heating & Hot Water

At the forefront of Lochinvar's recommendations is the Imperium system, featuring the Amicus Altus air source heat pump. The Imperium system features its own dedicated legionella program to support thermal disinfection cycles.

The Altus range is already trusted by major providers such as BUPA, delivering dependable heating and DHW in care home facilities across the UK. Its high operating temperatures of up to 75°C and robust

performance profile make it ideal for:

- Hospitals
- Specialist treatment centres
- In-patient facilities
- Primary care hubs

Our Altus unit uses R290 natural refrigerant (GWP of just 3), which often delivers far simpler system designs when compared to traditional CO2 systems. This means reduced complexity and capital costs. For NHS estates teams pursuing rapid, high-impact decarbonisation wins, the Imperium system provides a well-proven, future-ready option.

AquaStore: Harnessing Ambient Plant Room Heat for DHW

Beyond front-line clinical buildings, many healthcare estates contain laboratories, offices, and ancillary structures where water heating can be transformed without extensive system redesign.

Lochinvar's AquaStore, a unit designed to harvest low-grade ambient heat from plant rooms, offers an effective, fully decarbonised alternative to traditional gas-fired water heaters. This technology is already deployed in medical laboratory environments, providing reliable DHW generation while significantly cutting carbon output.

For energy managers and mechanical service engineers exploring decarbonisation opportunities beyond the main hospital fabric, AquaStore presents a compelling, easy-to-integrate option.

Expert Guidance for Complex Decarbonisation Projects

Supporting the technical depth required by healthcare estates, Lochinvar recently appointed Tom Bailey as Key Account Manager. Tom specialises in decarbonisation strategies for hospitals and healthcare estates and is available to assist with:

- Early-stage feasibility discussions
- Technical queries
- System design support
- Specification guidance
- Replacement projects and lifecycle planning

His expertise ensures estates teams have a trusted partner throughout the planning and implementation process.

Contact Tom Bailey on 07977 453733 or tbailey@lochinvar.ltd.uk

Download the Full Guide

The complete guide: "Decarbonising Hospitals & Healthcare Facilities", offers a detailed look at:

- Sector-specific challenges and opportunities
- The NHS's decarbonisation timeline and objectives
- Water heating pathways across typical building types
- The latest solutions available to assist with decarbonisation projects
- Further CPD learning for technical knowledge and understanding

➡️ ***Download your copy today and equip your estate with the insights needed to meet the NHS's 2032 goals.***

Condensate: The Hidden Risk in Modern Building Services

David S. Haynes
IEng, FCIPHE, FSoPHE, MIET
Hoare Lea

Condensate is one of the most overlooked by-products of modern building services, yet it is increasingly becoming one of the most persistent and consequential.

As buildings evolve toward higher levels of airtightness, greater energy efficiency, and continuous mechanical operation, condensate generation is no longer occasional or negligible. It is predictable, sustained, and, when aggregated across multiple systems, significant. Despite this, it is still too often treated as a minor coordination issue rather than a fundamental design consideration.

From a public health engineering perspective, condensate sits at the intersection of drainage design, system hygiene, and building performance. Poorly designed or inadequately considered condensate systems can lead to standing water, microbial growth, corrosion, odour transmission, and long-term damage to both plant and building fabric. These failures are rarely complex, but they are consistently avoidable.

This article provides a structured and practical engineering perspective on:

- How condensate is generated across HVAC systems, boilers, and low-carbon technologies;
- Why condensate discharge should be calculated and not assumed;
- The hydraulic and hygienic implications of treating condensate as a foul discharge;
- Common failure modes observed in real projects
- Design principles required to ensure robust, compliant, and maintainable systems

As the industry transitions toward low-carbon solutions such as heat pumps and extended cooling operation, condensate volumes are expected to increase, not decrease. This reinforces the need for a more rigorous and integrated approach to its management.

Condensate is an unavoidable consequence of modern HVAC and heating systems, yet it continues to receive disproportionately little design attention. As buildings become more airtight, more intensively occupied, and increasingly reliant on mechanical cooling and high-efficiency heating, the volume and persistence of condensate generation have increased markedly. From a public health engineering perspective, failures associated with condensate are rarely complex, but they are often consequential. This article explores how condensate is generated, how its discharge should be assessed, and why its mismanagement presents avoidable risks to hygiene, indoor air quality, building fabric, regulatory compliance, and long-term system resilience.

In many projects, condensate is still treated as a minor by-product rather than a predictable hydraulic discharge requiring deliberate engineering. It is frequently addressed late in the design process, often during coordination or construction, when options for robust drainage design are already constrained. This approach is increasingly misaligned with the realities of modern building operation.

Read the rest of the article online

Celebrating Christopher Sneath

Mike Carter
Arup

I would like to take the opportunity to celebrate the career of Chris Sneath. Chris has been, and still is a major contributor and supporter to the Public Health industry and to SoPHE, with a distinguished career spanning 65 years.

Chris started his career in Building Services Engineering with GN Haden and Sons ltd in 1961, before moving to Barrett & Wright in 1968. He became Managing Director in 1971 and Group Managing Director in 1983. The company was purchased in 1992 by ABB, following which Chris became a director of AG Manly and CJ Bartley and became involved with M&E Business Risk with BSC Consulting.

His passion and love of the industry has remained, coupled with his commitment to education and training, the need to find a means to gain acceptance for a 'licence to practice' and to resolve the issue of rogue trainers. As such, in 1993, he was an Assessor for the Services Sector to Sir Michael Latham's Review of the Construction Industry, representing 36 Trade Associations and 110,000 companies.

His continuing involvement with the Construction Industry Board led to Chris becoming Deputy Chairman in 1999 and also Chairman of the Deputy Prime Minister's Construction Health and Safety Task Force. In 1998, he became joint head of BSRIA's research programme on the "Uptake of Productivity Improvements" and for 10 years commencing in 1999 Chairman of the Plumbing and Heating Industry Alliance.

In 1999-2001 Chris was Chairman of the QSP and Sector Industry Group for Construction Education and Training, following which as Chairman of the Government sponsored Licence to Practice Steering Group. From 2008 to 2020 he was Chairman of the Water Safe Board representing the 22 UK Water Companies and WRAS, APHC, CIPHE and BPEC.

Chris was also twice president of the Heating and Ventilating contractors Association in 1991 and 1995 and received their distinguished services award. He was Master of the Worshipful Company of Plumbers from 2010 to 2011 and in 2020 was awarded the Plumbers Highest Award the St Michael Gold Medallion.

In recent years Chris has been an active supporter of SoPHE, funding the Chris Sneath bursary from October 2018 to the current day. His support and generous bursary has allowed winners of the bursary to further their education through the funding of additional training courses and educational literature. It is a real honour to be able to celebrate the significant impact of Chris' engagement with our Society and to thank him on behalf of everyone engaged with SoPHE for his generosity over the last 9 years.

2026 Society Calendar

May

Northern Dinner
Midland Hotel 08/05/26

SoPHE Technical Evening (Manchester) : Xylem Water Solutions Ltd - The Rain Bar, Manchester, 20/05/26

June

YEN PCE Competition
South Bank College 19/06/26

SoPHE Technical Evening (London)
Design Liability- Mind the Gap
Chapman BDSP, 10/06/26

Word Plumbing Conference
Birmingham NEC, 23/06/26 - 25/06/26

South West "meet the manufacturers" networking event
Ritorno Lounge, Bristol, 25/06/26

July & August

SoPHE Technical Evening (Manchester) : details to be confirmed
The Rain Bar, Manchester, 15/07/26

"SoPHE CIBSE Welcome to Saffron Hill"
London, Details to be released

September

SoPHE Technical Evening (Manchester) : details to be confirmed
The Rain Bar, Manchester, 16/09/26

SoPHE Technical Evening (London)
YEN Take over
Saffron Hill, 16/09/26

October

YEN Graduate Networking
Details to be released

Aquality Site Walk & CPD
Kings Cross, Details to be released

IHEEM
Manchester Central Convention, 13/10/26

November

22nd Annual Awards Dinner
Royal Lanacaster, 05/11/26

SoPHE Technical Evening (Manchester) : details to be confirmed - The Rain Bar, Manchester, 18/11/26

Elemental London
Excel Centre, 25/11/26-26/11/26

December

SoPHE Technical Evening (London)
Health & Safety
Saffron Hill, 03/12/26

Date to be confirmed

Technicial Conference 2026
Rearranged Dates to be released

Go to our eventbrite to find more

Local events and CPDs will be running throughout the year. Make sure you're signed up to the SoPHE mailing list as part of your CIBSE membership to stay informed. We also advertise events on our LinkedIn & Eventbrite.

SoPHE would like to hear from you!

Our Summer Issue will be covering ***Water Treatment***

If you have a thought piece that you would like to add to the newsletter or an advertisement that you'd like to place, please email sophe@cibse.org

Submission deadline for the Summer Issue will be 05.06.26.

CIBSE

Inspiring people. Transforming places.

SoPHE

society of public health engineers