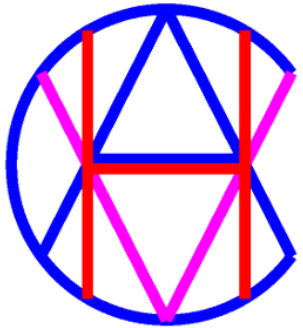


Hosted by **HOARE LEA** 



CIBSE HVAC Group AGM

17 April 2024

At Hoare Lea,
Western Transit Shed, 12-13 Stable Street, London N1C 4AB

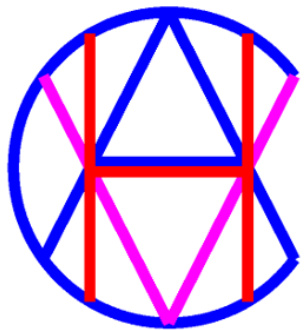
Hosted by **HOARE LEA** 



Email: hvacsystems@cibse.org

Linkedin: www.linkedin.com/company/cibse-hvac-systems-group

Web: www.cibse.org/networks/groups/HVAC-Systems



CIBSE HVAC Group Annual General Meeting

17th April 2024

Agenda

- Introduction to the group - Our Mission
- Introduction to the team members
- Future group events and our strategy going forwards
- Summary of 2023 events
- Contributions to publications
- Other Business
- Close Out

- Celebration of Buildings & People

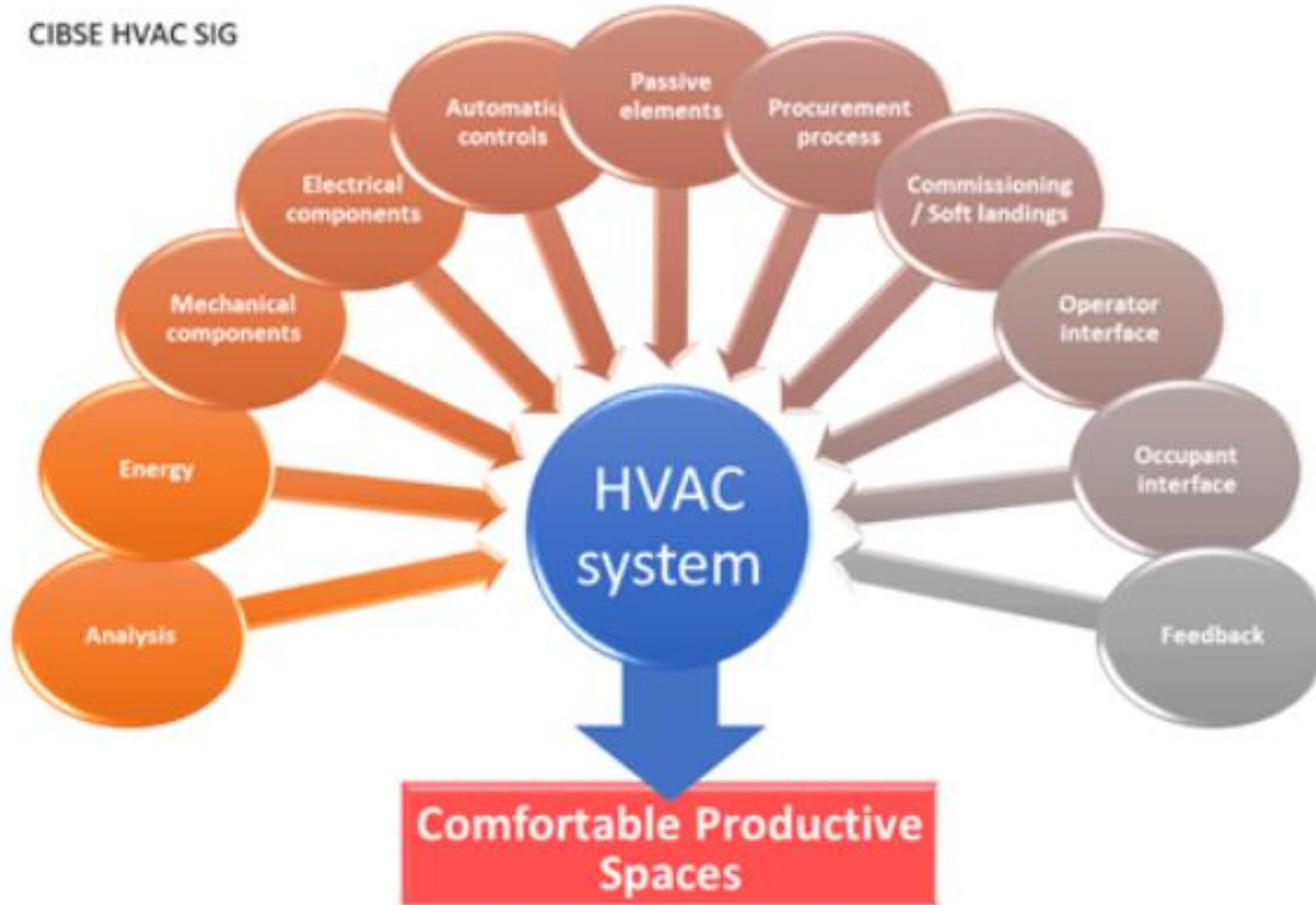
Our Mission

To support and encourage the efficient design, installation and operation of heating, ventilation and air conditioning systems.

Launched in 2017

Our Objectives

- Broaden knowledge and awareness of the strategic and practical issues, the latest developments and new technologies related to HVAC systems.
- Identify and respond to trends and future developments in HVAC design and implementation.
- Act as a specialist forum for knowledge exchange about best practice and lessons learnt.
- Increase members' knowledge and skills in the HVAC specialist area.
- Promote critical thinking in the design and operation of HVAC systems.
- Identify knowledge gaps relating to the design and operation of HVAC systems, and promote appropriate research in these areas.
- Contribute to the development of new publications and the maintenance and updating of existing guidance.
- Seek collaboration and links with other relevant institutions and organisations.
- Provide speakers for events, technical papers, seminars and training courses, and to organise a programme of events as appropriate.



Meet the Team

Voting Members

- **Chair:** Phil Draper - Twenty On Engineering
- **Vice Chair:** Matt Dickenson - Atelier Ten
- **Secretary:** James Hudson - Hoare Lea
- **Treasurer:** Mary-Ann Clarke - AECOM
- Tony Day - International Energy Research Centre
- Chris Twinn - Twinn Sustainability Innovation
- Ashley Bateson - Hoare Lea
- Richard Brimfield - Ridge & Partners
- David Black - FläktGroup
- Marcin Silinski - Pirsca
- Rossella Perniola - WSP
- Richard Davies

Co-Opted Members

- David Fitzpatrick - Smay Ventilation Systems UK
- Thomas Pemble - Troup, Bywaters & Anders
- Graeme Fox - BESA
- Reanna Taylor - NG Bailey
- Debbie Hobbs - S&P Global/CBRE

New Members:

- Jonny Betts (Mitsubishi)
- Hua Zhong (UCL)
- Jie Deng (Kingston University)
- Ebrahim Sahlehi (Ingleton Wood)
- Rui Tang (UCL)
- Jugal Ambasana (Sweco)
- Piotr Baj (Johnson Controls)

Membership

Subscribers

CIBSE Members - 1162 (up 197 year-on-year)

Non-members - 745 (up 51 year-on-year)

Past Events

Sponsored by **TROUP BYWATERS + ANDERS**



4BQ



**CIBSE HVAC Group,
CIBSE FM Group, &
CIBSE IT+Controls Group**
NABERS UK

Hosted by **HOARE LEA (H.)**




Carl McKenzie
DEFRA Science Estate


Gordon Farquharson
Critical Systems Ltd

+ more to be announced...

20th September
12-13 Sable Street, N1C 4AB
17:30 in person / 18:00 online



**CIBSE HVAC Group
Critical Systems**



AGM

Past Events



Hosted by **HOARE LEA** (H)

Young Engineers Network
London

Thank you for attending the HVAC Group & YEN LDN event on

Lessons Learnt



Hosted by **Introba**

Thank you for attending the HVAC Group event on

Celebration of Buildings

Future Events

Strategy

- 4 main events per year
- Plan not more than 12 months in advance
- Varied topics - suitable for clients, designers, installers, manufacturers and FM
- Hybrid format - In-person & online
- Joint events with other groups and societies, including Young Engineers Network
- Diverse panels of speakers

Upcoming Event Topics

- Heat Pumps
- Retrofit
- Smoke Ventilation
- Domestic Hot Water Generation



Contributions to Publications

- ACR Journal - Graeme Fox
- COP 28 - Ashley Bateson
- IMechE Nuclear Conference - David Black & Mat Cherrington
- CIBSE Journal Articles - Various
- Future Building Standard
- Refrigerant Leakage Study



EVENT | COP28

Leadership in the UAE was the focus for COP28

After attending COP28, Hoare Lea's Ashley Bateson FOISE is more acutely aware than ever of the need to avoid fossil fuels, embrace biodiversity and focus on performance

INSPIRING ACTION

For two weeks last month, the United Arab Emirates (UAE) played host to 200,000 visitors for the annual UN climate change conference (COP), in the iconic meeting rooms, pavilions and plenary halls at Dubai Expo City. People sought to share insights, participate in discussions and negotiate attempts to lower the effects of and adapt to, climate change.

COP28 provided an inspiring platform for a vast range of stakeholders - from scientists, policymakers, energy companies and experts to non-governmental organisations and groups representing marginalised communities.

In the various halls and meeting rooms, I found there was universal agreement for the need to limit global warming, but also disagreement about how to achieve this. It was an exciting learning experience, as there was so much to take stock of and much to be gained from dialogue with others.

Triple crises
Several speakers at COP28 highlighted the triple crises they place as being climate change, global pollution, and biodiversity loss. There is an interventional perspective to this, as people set in concrete with representatives from some regions highlighting how they are particularly affected.

Indigenous communities in South America emphasised the continued deforestation in their continent, with consequences for their traditional lifestyles and loss of animal and plant species. Meanwhile, among African countries, representatives from Nigeria outlined how oil extraction has caused



land, water and air pollution that is detrimentally impacting local agriculture and businesses.

The role of nature in mitigating the climate crisis was the topic of a session with Professor Nabeela Siddiqui, director of the Nature-based Solutions Initiative in the Department of Biology at the University of Oxford, and UN Women's former Deputy Director.

Siddiqui said that not only can increasing biodiversity improve natural climate conditions and climate adaptation, but green infrastructure can also provide co-benefits for people's mental and physical health. She urged that more research be done to recover women's societies with nature and soil education could raise appreciation of the benefits of incorporating nature into development.

Other speakers, representatives from banking, pensions and insurance funds acknowledged that more needs to be done to



EVENT | COP28

levels. Global energy demand and greenhouse gas emissions continue to increase, with a risk that we may exceed 2°C if further policy interventions are not implemented.

There are, however, positive indicators of progress in some areas of the energy transition to zero carbon emissions. According to the International Energy Agency (IEA), significant improvements have been made in renewable energy generation globally, around 30% of the world's electricity production is now generated from renewable energy sources and 10% of new capacity being built is renewable.

In some parts of the world, the uptake of renewable energy generation has been particularly high. These are, for example, when 30% of electricity demand in Denmark is met by wind, and 90% of other energy heavy California gets more than 90% of the power from wind and solar. Significant progress has been made in the UK to decarbonise the Grid, with more than 40% of annual electricity consumption coming from renewables.

From a health, environment and industry perspective, the pace of energy efficiency improvements needs to be able to approach market. It is demand reduction each year. The UK believes there is an important role for the finance sector in decarbonisation and is calling for innovative, large-scale financing mechanisms to support low carbon investment.

Another session, hosted by the US Green Building Council, MEP Chas Siddons, head of energy of the government, Independent view of our cars, outlined the lessons learned from the building transition.

This is a new chapter from over 20 countries to make net zero and resilient buildings the new norm by 2030. These countries - which include the USA, China, the UK, France, Germany and Japan - are collectively responsible for half of the world's emissions. The details of the pledge are yet to be defined, but they will be developed through the ongoing results.

Personal takeaways
From a personal perspective, I have three key takeaways from COP28. First, the need for us sector to embrace performance based design, with a focus on net zero carbon outcomes. At the end of COP28, there was a global agreement to transition away from fossil fuels, as we progress, we should aim to eliminate fossil fuels from the built environment as soon as possible.

Second, we need to make appreciation of the stakeholders affected by our projects, so we can better understand how our buildings impact people and the environment.

Finally, we need to design for climate change resilience. This includes incorporating nature-based solutions and increasing biodiversity in development. This will not only reduce temperatures and mitigate heat stress, but will also enhance wellbeing and make the future places more habitable. **23**

ASHLEY BATESON is a CIBSE member and a senior energy and climate COP28, in Dubai, UAE. She has already exceeded an average 10°C temperature increase above pre-industrial

Other Business

- Growth of Socials - Another 150 followers on LinkedIn!

LinkedIn follower growth in the last year



NOMINATED!

for "Engineer of the Year"
at the CIBSE Building Performance Awards 2024



Phil Draper
CIBSE HVAC Group Vice Chair

Hosted by

HOARE LEA 



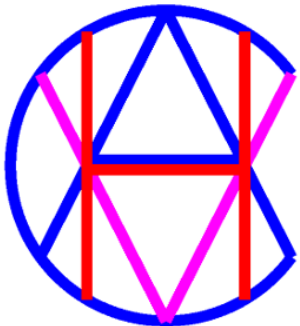
CIBSE HVAC Group.

Thank you!

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17th April