



Newsletter

EHPA Publishes Position Paper on Industrial Heat Pumps to Accelerate Decarbonization!

On 4 March, the European Heat Pump Association (EHPA) released a position paper calling for accelerated deployment of industrial heat pumps as a tool to decarbonize Europe's industry and boost competitiveness!

[Read more on page 2](#)

Energy efficient retrofit is not always comfortable

Energy efficiency retrofits with extraction-air heat pumps can compromise the indoor climate! See more on how to avoid this!

[Read more on page 2](#)

ASHRAE Policy for Use of Artificial Intelligence (AI)

AI is a powerful tool that can enhance ASHRAE's ability to create, share, and disseminate technical knowledge. However, it is crucial to ensure that AI is applied responsibly. Read about how ASHRAE members are to use AI within ASHRAE!

[Read more on page 4](#)

IEQ 2025 Conference, Montreal Canada

The IEQ 2025 Conference provides the opportunity to learn, network and engage with IEQ professionals dedicated to advancing the fields of indoor environmental quality.

[Read more on page 5](#)

Inside this issue

Decarbonization Challenge.....	2
Impact of Smoke on Indoor Air Quality.....	3
CEBD.....	3
ASHRAE Job Board	3
Events.....	4
Chapter Regional Conference (CRC) 2025	4
Upcoming Chapter Events.....	6
Next Chapter Meeting	6
About	6

ASHRAE Decarbonization Challenge 2024-2025

Dennis Knight has announced his presidential theme, workforce development and DEI. His plan includes continuing the Decarbonization Challenge Fund, a year-long competitive fund (\$1,000-\$10,000) program to implement decarbonization projects within local chapters that are tied to this year's presidential theme. This program is implemented through the YEA committee with grassroots outreach through the YEA chairs/committees at each chapter.

In order to apply for The Decarbonization Challenge Fund, the primary applicant must be a Full, Associate or Affiliate ASHRAE member. **This program is implemented through the YEA committee with grassroots outreach through the YEA chairs/committees at each chapter.** Click on the link below for more details or to submit an application.

<https://www.ashrae.org/about/yea-decarb-initiative>

See the CEBD website for more information on Building Decarbonization.

<https://www.ashrae.org/about/cebd-center-of-excellence-for-building-decarbonization>

EHPA Publishes Position Paper on Industrial Heat Pumps to Accelerate Decarbonization!

ASHRAE Brussels

On 4 March, the European Heat Pump Association (EHPA) released a position paper calling for accelerated deployment of industrial heat pumps as a tool to decarbonize Europe's industry and boost competitiveness. Industrial heat pumps, capable of reaching temperatures up to 200°C, can replace fossil fuels in low- to medium-temperature processes, recover waste heat, and increase energy efficiency. Currently, 60–73% of heat pumps are produced in Europe, across 300 manufacturing sites, supporting 170,000 direct jobs.

EHPA urged EU policymakers to place industrial heat pumps at the center of the Clean

Industrial Deal, Electrification Action Plan, and Heating and Cooling Strategy. Key recommendations include reducing electricity costs through fair taxation, simplifying state aid provisions, ensuring timely grid access, and regulating waste heat reuse. EHPA also advocates for financial incentives, such as tax rebates and low-interest loans, and calls for mandatory integration of heat pumps in industrial process design, especially in facilities operating below 200°C. The paper stresses that fully unlocking this potential could increase the installed capacity from 7 TWh to 722 TWh, significantly advancing EU energy security and emissions reduction goals.

[Click here](#) to read the official paper.

Energy efficient retrofit is not always comfortable

Stephen Burke, Tekn.
Dr, ASHRAE Associate

Many older buildings have an extraction ventilation system with an air intake through the window frames (trickle vents). Upgrading to a supply-extraction ventilation system with heat recovery may not be economical due to the lack of space for new airducts. One strategy today when retrofitting or renovating these types of buildings is to install an exhaust-air heat pump.

These heat pumps extract the heat energy from the outgoing air and transfer it to a liquid-based heating system such as the domestic hot water system, the buildings heating system, or both. These systems can have coefficient of performances of up to 6, which means that for every 1 kWh of energy you put into the heat-pump – you get 6 kWh of heat energy in return!

To make optimal use of the heat pump, airflows are often brought up to current building codes during the renovation. Often the air-flow rate in an old building is lower and is not



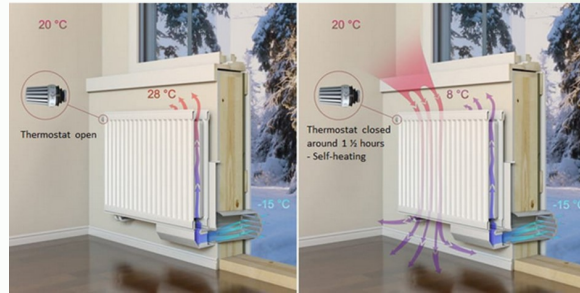
always according to current code. One thing that can be overlooked is how the air is coming into the building, and this is often where the problem occurs.

The building owners expect that their renovated building will be more energy efficient, and they often assume that it will be more comfortable than before. However, in an old building with an exhaust-air heat pump, the outdoor air intake must be designed correctly. The older solution where the outdoor air is taken in through trickle vents in the window frame (above or below the window) may be the cheapest solution since they already exist in the building, but this may not be the most comfortable solution.

Cold air will enter more quickly than pre-renovation which can cause problems with

the occupants perceived thermal comfort. They will feel more draughts than pre-renovation thus decreasing their thermal comfort. This increases the risk that they are not satisfied with the result, or that they will increase the temperature to compensate. If the building is a rental (apartment building), the tenants will be unhappy since they do not enjoy the energy savings of the building, and they rarely can affect the indoor temperature.

An alternative to trickle vents which increase thermal comfort can be by using an intake through the radiator, or as pictured above using a combination ventilation radiator. This preheats the air before it comes indoors reduc-



ing the negative impact on the indoor thermal comfort while not affecting the energy balance of the building.

Image 1: https://en.wikipedia.org/wiki/Trickle_vent

Image 2: <https://www.purmogroup.com/en/who-we-are/news/2019/ventilation-radiator-ideal-combination>

Exploring career opportunities with the ASHRAE job board

The ASHRAE Job Board is a premier platform for professionals in the fields of heating, ventilation, air conditioning, and refrigeration (HVAC&R). Whether you are an engineer seeking new opportunities or an employer looking for top talent, the ASHRAE Job Board offers a comprehensive and user-friendly experience.

For Job Seekers

Personalized Job Search: The ASHRAE Job Board allows engineers to create personal accounts to manage their job searches efficiently. Users can upload resumes, set up job alerts, and apply for positions directly through the platform.

Diverse Opportunities: The job board features a wide range of positions, from entry-level roles to senior management positions, across various specializations such as mechanical, electrical, and civil engineering. Recent listings include roles like HVAC Sales Engineer, Building Automation Systems Engineer, and Senior Commissioning Project Engineer.

Career Resources: Beyond job listings, the ASHRAE Job Board provides valuable resources to help job seekers enhance their careers. This includes resume writing tips, interview preparation guides, and access to career coaching services¹.

For Employers

Efficient Recruitment: Employers can set up corporate accounts to post job openings, review resumes, and manage their recruitment processes. The platform is designed to connect employers with highly qualified candidates in the HVAC&R industry¹.



Targeted Listings: By posting on the ASHRAE Job Board, employers can reach a niche audience of professionals who are specifically interested in HVAC&R careers. This targeted approach ensures that job postings attract the most relevant candidates¹.

Comprehensive Support: The job board offers various tools and services to assist employers in their recruitment efforts, including job posting packages and access to a database of resumes.

Visit: <https://jobs.ashrae.org/>

ASHRAE Releases New Guidance to Mitigate the Impact of Smoke on Indoor Air Quality

As wildfires and prescribed burns increasingly impact communities worldwide, ASHRAE has published a new resource aimed at safeguarding indoor air quality (IAQ) during these events.

ASHRAE Guideline 44-2024, Protecting Building Occupants From Smoke During Wildfire and Prescribed Burn Events, outlines best practices for building design, operation and maintenance to reduce the health risks associated with prolonged exposure to wildfire and prescribed burn smoke.

To purchase Guideline 44-2024 visit ashrae.org/bookstore.

CEBD - Center of Excellence for Building Decarbonization

Join Us on the Journey to Zero!

Building owners, government jurisdictions and industry professionals around the world are responding to accelerating climate change and recognizing that building decarbonization is a significant component to their efforts. The worldwide building sector accounts for about 40% of energy-related carbon emissions and the global building stock is predicted to double by the year 2060.

Are you interested in participating in projects on decarbonization? If so, please send an email to:

decarb@ashrae.org

Events

REHVA Annual Meeting 2025

On 2 – 3 June 2025, REHVA will hold its Annual Meeting in Milan, Italy. The Annual Meeting will feature presentations, workshops, and networking opportunities focused on the latest developments in the HVAC industry.

More information is available [here](#).

CLIMA 2025

On 4 – 6 June 2025, REHVA will hold its 15th HVAC World Congress in Milan, Italy. The theme of this Italian edition is "Decarbonized, healthy, and energy-conscious buildings in future climates".

More information is available [here](#).

Heat Pump Forum & Award 2025

On 23 – 24 September 2025, EHPA will host its flagship heat pump forum.

More information is available [here](#).

ASHRAE Policy for Use of Artificial Intelligence (AI)

The purpose of this Artificial Intelligence (AI) policy is to guide the ethical and effective use of AI technologies to serve ASHRAE members. As a publisher of technical guidelines and standards, organizer of conferences, provider of educational programs, and a research institution, ASHRAE strives to ensure that AI is used in ways that align with our mission, upholds intellectual property rights, and promotes fairness, transparency, and accountability.

AI is a powerful tool that can enhance ASHRAE's ability to create, share, and disseminate technical knowledge. However, it is crucial to ensure that AI is applied responsibly and within the scope of the following permissible use cases:

- Research: AI can be used for analyzing large datasets, identifying trends, and assisting in technical research. Outputs from AI systems should always be reviewed by ASHRAE experts for validity, accuracy, and relevance.
- Content Editing: AI can assist in editing content, such as improving grammar, suggesting alternative phrasing, or refining technical language. AI should not be used to independently generate technical guidelines, standards, or official publications.
- Idea Generation: AI can be used to generate ideas for new projects, innovations, or

educational content. However, these ideas should always undergo human validation before implementation.

- Educational Programs: AI can be integrated into educational tools, such as chatbots for interactive learning, personalized course recommendations, or automatic grading. The use of AI should aim to support, not replace, human interaction in educational contexts.
- Conference Management: AI tools may be used to assist in tasks such as scheduling, organizing speaker sessions, or matching attendees with relevant content. AI tools used in the management of conferences must respect privacy and data security standards.

To protect privacy and confidentiality and to protect ASHRAE and its members legally, the use of recording bots or AI-based transcription tools during conferences, webinars, or meetings is prohibited unless explicitly authorized. All recorded data must comply with privacy laws and be reviewed by a human for compliance.

[Click Here](#) to see the full policy for AI use (5 pages)

The Board of Directors approved this policy February 9, 2025.

Chapter Regional Conference (CRC) 2025

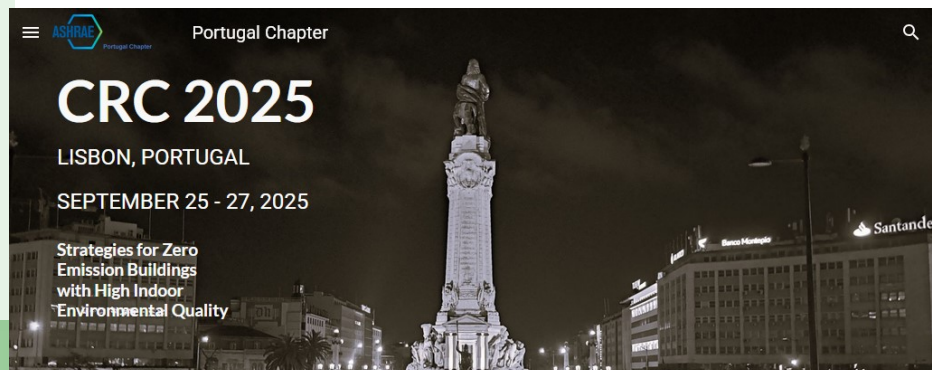
Join us for the Chapters Regional Conference (CRC) 2025 in the inspiring city of Lisbon.

This is a unique opportunity to connect with HVAC&R professionals and ASHRAE members from across the Region XIV (Europe) while participating in expert-led sessions on energy efficiency, sustainability, and high indoor environmental

building.

Visit this site for more information!

<https://sites.google.com/view/ashraeportugalchapter/home>



IEQ 2025 Conference, Montreal Canada



IEQ 2025 Conference, Co-Organized by ASHRAE and AIVC

September 24-26, 2025

Montreal, Quebec, Canada



REGISTER NOW!

The IEQ 2025 Conference will take place in Montreal, Canada between the 24-26th of September. Organized by ASHRAE and AIVC, this conference provides the opportunity to learn, network and engage with IEQ professionals dedicated to advancing the fields of indoor environmental quality. The IEQ 2025 Conference is also the 45th AIVC, the 13th TightVent and 11th venticool conference. Emphasis is placed on the growing understanding of occupant response to indoor environment elements (thermal, air quality, lighting and acoustics) while enhancing resilience in a changing climate. Seminars are led by experts from around the world representing AIVC, ASHRAE and many other partnering organizations.

Topics for Papers and Seminars

- Performance Metrics: For all aspects of IEQ
- Occupant Behavior: How behavior impacts IEQ and how IEQ impacts behavior - psychological dimensions of IEQ
- Smart Sensors, Data and Controls: Sensor properties, data management, cybersecurity, applications, commissioning, equivalence
- Resilience and IEQ: Responding to climate change and disasters
- Ventilation: Mechanical, passive, natural and hybrid systems
- Air Tightness: Trends, methods and impacts
- Thermal Comfort: Dynamic approaches, health impacts and trends acoustics/lighting, the visual/auditory aspect
- The Environment Around Us: Acoustics, lighting, glazing, interiors and impacts upon wellness
- Policy and Standards: Trends, impacts, implications
- HVAC and IEQ in a post-COVID world
- Ventilation and building decarbonization
- Lighting and Acoustics: How can the outside be brought inside or vice versa
- Lighting Performance and Metrics
- Noise: How the environmental impact can be mitigated
- IEQ in Indigenous Communities

Visit the homepage [here](#) for information about the schedule and registration!

About

ASHRAE Nordic Chapter is a local branch of ASHRAE, a global society founded in 1894. ASHRAE's mission is to advance human well-being through sustainable technology for the built environment. With more than 50,000 members from over 132 nations, ASHRAE is an engineering organization dedicated to advancing the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. The organization contributes to shaping tomorrow's built environment through research, standards writing, publishing, certification, and continuing education. The geographic area covered by ASHRAE Nordic Chapter is Denmark (Faroe Islands and Greenland), Iceland, Norway, Finland (Åland), and Sweden.

Next Chapter meeting, April

Join us for the upcoming Chapter Meeting organized by the ASHRAE Nordic Chapter. This event is dedicated to Membership Promotion, aiming to foster a sense of community and engagement among our members. Attendees will have the opportunity to network with fellow professionals, learn about the benefits of ASHRAE membership, and explore ways to get involved in chapter activities. Whether you are a long-time member or new to ASHRAE, this meeting is a great chance to connect, share ideas, and contribute to the growth of our vibrant community.

Event link: <https://ashrae.webex.com/ashrae/j.php?MTID=m70e6e973a2c9eb17485233127eda4212>

Upcoming Chapter Events

Date	Type of event	Location	Event
April	Social Event	Oslo, Norway	PUB

Next Chapter Meetings

3 April 17:00 CET Virtual

8 May, 17:00 CET Virtual

Visit:
www.linkedin.com/company/ashrae-nordic
www.ashrae-nordic.org

