

DAY 1:

## Study Tours *Helsingborg*

**15<sup>th</sup>** JUNE 2022  
WEDNESDAY

13:00 • 16:00

Meeting Point  
Hotel Marina Plaza, Helsingborg.

Description  
Two unique site visits will be planned, each with the purpose of exhibiting the city's DHC system.

- Visit 1**  
Öresundskraft Helsingborg DHC system  
Large Waste-to-Energy (CHP) plant and large-scale capture of industrial surplus heat.  
Tour and demo of H22 city expo (Ocean Port)
  
- Visit 2**  
Newly built H22 city district  
Demo of Tordnet (seasonal storage thermal boreholes charged by DH) System for data driven predictive maintenance of pipe network.



DECARBONISE HEAT –  
LOW-TEMPERATURE DHC AS  
A KEY SOLUTION FOR DECARBONISING  
THE HEATING AND COOLING SECTOR

15TH – 17TH JUNE, 2022 | HELSINGBORG, SWEDEN

# Open Conference

## Decarbonise Heat

16<sup>th</sup> JUNE 2022  
THURSDAY

09:00 • 17:00

Location  
Hotel Marina Plaza, Helsingborg.

### Morning Session

#### Smart DHC Networks

09:00 • 12:00

The European energy transition is facing many challenges, including the decarbonisation of its heating and cooling sector. Today, the sector is hugely dependent on fossil fuels, which are used to fuel both individual boilers and large-scale heat production plants. DHC, geothermal energy storage and heat pumps are among the leading solutions that offer an alternative way to supply heat. Combinations of the technologies are likely to often happen in the future, for instance in DHC systems including seasonal storage and reversible heat pumps.

How can the heating and cooling industry handle enormous investments in infrastructure but at the same time preserve and improve the existing assets? What are the opportunities offered by combining technologies across sectors, in terms of increased flexibility and resiliency of the sector-coupled DHC networks? These are a few of the questions that will be addressed with presentations and panel discussions along the morning session.

### Agenda & Speakers

**Opening remarks & moderation**  
Jack Corscadden – *Project Officer, Euroheat & Power*

**The Helsingborg Energy System**  
*High performing, mid-large scale DH system, interconnected with other cities, fossil-fuel free supply of heat and power, with improved design of district cooling and an ambitious implementation of smart asset management.*  
Patrik Hermansson – *Director Innovation, Öresundskraft*

**Panel discussion**  
*How do we optimize the capture and storage of low-quality surplus heat and the flexible use and supply of electric power to mitigate peak power demand?*

**Technologies to empower a new generation of DHC networks and modernise existing ones**  
*Demand side management and remote fault detection of individual heat pumps*  
Per Ola Persson – *CEO, Easyserv*

*Demand side management, optimization and sector coupling of DH and power*  
Moa Dahlman-Truesdale – *CFO, Energy-Opticon*  
Rouven Voss – *Technician Sales Engineer, Energy-Opticon*  
Christian Johansson – *CEO, Noda Intelligent System*

*Preservation of existing network assets by relining with carbon fibre composites*  
Andreas Martsman VP – *Business Development, CarboSeal*

Lunch 12:00 • 13:00

13:00 • 17:00

### Afternoon Session

#### REWARDHeat DHC Investor Perspectives

Following the success of the online workshop which took place in June 2021, the next workshop in the REWARDHeat investor series will further explore the current investment landscape and the opportunities for attracting institutional investors to low temperature DHC networks. The project seeks to turn these networks into a new asset class, making modern district energy solutions a profitable investment opportunity, while contributing to the achievement of EU climate targets.

The event will showcase international examples of successful green field investments, with a discussion on how these cases can be replicated across Europe. These examples will be compared

with the Swedish case, where DHC network ownership is diverse, and the market is highly competitive, resulting in challenging conditions for investing in new networks.

The second part of the workshop will take a closer look at the REWARDHeat demonstrator networks as potential investment opportunities. Indepro and SEC will deliver a pitch to a panel of financial experts, who will provide feedback, outlining their investment needs and requirements. This will be followed by an open discussion on DHC, as a sustainable asset class and steps that can be taken to address investor needs.

### Agenda & Speakers

**Opening remarks & moderation**  
Kristina Lygnerud – *Energy Department Manager, IVL*

**Key Note speech**  
Anders Ericsson – *CEO, Värmevärden/Adven*

**Learnings from REWARDHeat project**  
Tobias Popovic – *Professor of Business Administration, HFT Stuttgart*

**Panel discussion**  
Allister Sykes – *Director, Asper Investment Management*  
Anders Östlund – *CEO, Öresundskraft*  
Matthias Schmidt – *Senior Manager, Deloitte*

**Pitch Session by REWARDHeat demonstrator networks**  
Helsingborg and Mölndal demo site: Håkan Knutson – *Managing Director, Indepro*  
Szczecin demo site: Lilli Wolny – *Project Manager, Szczecińska Energetyka Ciepła [SEC]*

**Feedback from financial experts**  
Georg Inderst – *Principal, Inderst Advisory*  
Frieder Olfe – *Head of Business Development, Imug Rating*  
Peter Dahl – *Investment Manager, Polhem Infra*

**Open discussion and Q&A**

Register Here:  
<https://forms.gle/H13AmjEbdqTsjS1KA>

# Study Tours

## Lund

17<sup>th</sup> JUNE 2022  
FRIDAY

09:00 • 12:00

Meeting Point  
Hotel Marina Plaza, Helsingborg.

**Description**  
Two distinct site visits will be arranged, each with the goal of demonstrating the city's DHC system in Lund. Transport will be provided from Helsingborg to Lund.

- Visit 1**  
Brunnshög low temperature DH network, capturing excess heat from ESS (European Spallation Source) by Kraftringen.
- Visit 2**  
Medicon Village ectogrid by E.ON, capturing and balancing excess heat from buildings and supply of heating and cooling.



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Link to H22 City Expo:  
<https://www.h22cityexpo.com/>