

DAY 1:

Study Tours *Helsingborg*

15th 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 Tornet (seasonal storage thermal boreholes charged by DH) System for data driven predictive maintenance of pipe network.



REWARDHeat

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

16th 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

Study Tours

Lund

17th 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.



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

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