

Digital meeting

January 20, 09:00 – 10:30

Just click zoom link: <https://hh-se.zoom.us/j/61179040037?pwd=OFRTVDRCbIBiVUxKVDBsMmVzYWk4QT09>

This is a part of Sweden Innovation Days and free to attend.  
<https://swedeninnovationdays.se/day-4-climate-neutral-cities/>  
See side events, Jan 20 Climate Neutral Cities

Sign up at [info@sweheat.com](mailto:info@sweheat.com)  
Questions: [rebeccawildig@gmail.com](mailto:rebeccawildig@gmail.com)



Supported by



European  
Regional  
Development  
Fund

In Collaboration  
with



Next Generation

# Sustainable Heating and Cooling

TermoNet



# Transform and Preserve Heating and Cooling

The systems for heating and cooling are under pressure. We must phase out fossil fuels, gas, coal and oil, but also limit the dependency on other sources such as biomass, electricity and waste.

This session will present new system solution – a combination of district heating and cooling, surplus heat capture, heat pumps and geothermal energy storage – combined with smart asset management, preserving existing distribution infrastructure.

## Program

**January 20, 09.00 – 10.30**

### 1. Introduction

Introduction by SweHeat – Swedish Council for District Heating and Halmstad University. The system context, the elements of innovation and Baltic Smart Asset Management. Håkan Knutsson.

### 2. New type of hybrid system

E.ON ectogrid™ presents, a decentralized energy system of the future: a scalable and energy-efficient solution that can produce all necessary heating and cooling in one system. With low temperatures, distributed heat pumps, intermittent renewable energy and storage, E.ON ectogrid™ is the solution that can help us reach zero emission levels – in a city block, surrounding area or even an entire city. Mats Carselid and Jacob Skogström.

### 3. Capture heat - circularity

Alfa Laval presents solutions to capture surplus heat, specifically from the fast-growing Data Center Industry. Alfa Laval is a global leader in heat exchanger technology. Rolf Jönsson.

### 4. Customer solutions with heat pumps

Nibe presents solution for front-end customer-centric heating and cooling applications, such as building heat pumps, micro boosters, accumulators, interacting with DHC. Nibe is a global leader in decentralised solutions for heating and cooling. Martin Forsén.

### 5. Heat Storage

Rototec presents solutions for geothermal energy storage, specifically borehole technology. Rototec is a global leader in geothermal drilling technology. Biörn Thelin.

### 6. Predictive Maintenance – extend service life of assets

Arne Jensen AB presents novel solutions for data driven predictive and preventive maintenance, enabling longer utilisation time of DHC pipeline assets, but avoiding ruptures. Pipeline assets can be used more than 100 years. Paavo Persaud.

### 7. Refurbish pipes without excavation

Pressurized Pipe Relining AB (PPR) presents excavation-free life extension and refurbishment of underground hot water pipelines, by relining with novel carbon fibre composites. Andreas Martsman.

### 8. Discussion with the audience. Q&A.