



Local training partners

From Production to Demand

The heating sector is moving from “produce heat when needed” toward data-driven, intelligent energy management. Digitalisation can help reduce energy consumption and emissions while enabling heating systems to interact more effectively with renewable energy and the wider energy system.

How to do it, and where to start?

Online

DHC Academy Training Courses

Digital Transformation for DHC

Introductory course on What – Why - How

[Date and Time]

[More information and Registration](#)

Course Focus:

This micro-credential is focused on digital skills for the District Heating & Cooling (DHC) sector. The course is designed to equip professionals with the digital and analytical skills required to manage increasing system complexity, improve operational performance, and support strategic decision-making.

Course Format:

This micro-credential will consist of 4 modules delivered in 1.5-hour online sessions, each reflecting a key area of expertise and a critical competency for professionals in the energy transition. Learning will be grounded in real-world case studies, also involving special guest speakers with hands-on experience in designing, installing and operating heat network systems.

Course Content *(further details in the appendix)*

The course consists of 4 online sessions:

Module 1 – Digital Transformation for DHC – Introduction

Introduces digitalisation and decision-support tools for efficient, integrated DHC operations.

Module 2 – Design and Decarbonisation Pathways for Multi-Energy and DHC Systems

Covers planning, sector coupling, and digital optimisation for decarbonisation.

Module 3 – Optimising District Energy Network Development

Applies simulation, optimisation, and digital twins to network design and expansion.

Module 4 – Optimising Energy Production Systems

Combines technical and digital tools to optimise plant performance and planning.

Targeted Participants

The course is designed to equip professionals with the digital and analytical skills required to manage increasing system complexity, improve operational performance, and support strategic decision-making in the evolving DHC landscape. The module is designed to be accessible to non-technical professionals with a working knowledge of DHC operations. No prior digital or technical expertise is required.

- Experienced Professionals: Energy managers and DHC professionals responsible for system operations or strategic planning;
- Innovation Leaders: R&D managers interested in digital innovation for energy systems.
- Decision-Makers: Policy makers and institutional actors involved in energy planning and regulation.