



Bringing Heat Home

Heat Networks represent a significant financial investment. The system of pipes underground constitute the most critical and valuable asset in any district heating system. They are the artery system which must never fail. The challenge is to design and install a solution that optimizes life-cycle costs while securing reliability, performance, and flexibility in terms of demand and supply.

Online

VEI Courses

High Temperature Heat Networks

Challenges – Technologies – Applications – Skills

[Date & Time]

[More information and Registration](#)

Course Focus:

This micro-credential explores the challenges, technologies, application areas, and skills related to high-temperature heat networks. The course highlights the basic physics of high temperature heat distribution, installation practices, hardware, software, and approaches to monitoring and maintenance to secure reliability. Also providing overview of the skills required.

Course Format:

This micro-credential will consist of X modules delivered in 1-to-1.5-hour sessions, with each session including one or more special guest speakers. Learning will be grounded in real-world case studies involving speakers with operational experience in the field. The course will include multiple examples on successful and less useful approaches.

Course Content (further details on page 2-)

The course consists of X online weekly sessions. Topics addressed include:

Basic Challenges

- Physics
- Installation
- What can go wrong

Key Technologies

- Hardware – pipes, fittings, valves, etc
- Software – sensors, communication, AI
- Monitoring and Maintenance

Application Areas

- Where to apply
- Grey Zone
- Reference Cases

Skills

- Processes from Vision to Operations
- Competences required
- Local Capacity Building

Targeted Participants

The course is designed to provide an intro to the whys and hows to decarbonise heating

- *Training providers* at technical colleges and universities
- *Experienced professionals* interested in reskilling courses before entering the DHC sector
- *Young talent* aiming to develop a career in the DHC industry – both vocational and professional
- *Decision makers* in politics, industry, finance, etc. aiming to increase their understanding of the sector
- *Local Supply Chain* aiming to broaden their scope of products and services in the DHC sector
- *Representatives from media*, industry organisations, NGOs, and the broader public.