MICRO CREDENTIAL

Decarbonising Heat – An Introductory Course

Delivered Online Start Date: November 12th

This online introductory micro-credential explores the principles, technologies, and strategies for decarbonising heating systems, with a focus on district energy solutions. Learning will be grounded in a real-world case study – the expansion of the existing heat network in Hamilton – using digital twinning software.

Background

The challenges and risks related to energy security, affordability, and impact on climate change are becoming increasingly acute. We have spent enough time talking. Now is the time for action. We must rapidly implement solutions to secure the supply of heating in the winter, and cooling in the summer. To do this, we need people with practical skills and a doer mindset. And we need them now.

Objectives

The main objectives of this micro-credential are to provide an introduction to the key topics related to decarbonisation of heating and cooling:

- Drivers – Why we must decarbonise heating and cooling
- Benefits – What the broader opportunities and gains from decarbonisation
- Solutions – What are our options to replace fossil fuels for heating
- Strategy – How to implement a program to decarbonise heating
- Practice – How do we get started – what are the challenges to overcome
- Replicate – What does it take to scale up and expand investments in decarbonisation

Target Audience

The course is relevant for a broad range of stakeholders:

- ***Decision makers and Influencers*** in politics, industry, media, etc. aiming to increase their understanding of the sector
- ***Local Supply Chain*** aiming to explore the commercial opportunities for goods and services
- ***Investors*** aiming to develop a deeper insight in the opportunities, risks, and financial impact of investments
- ***Existing and Recently recruited Staff*** at operators, contractors, engineering firms, technology suppliers, etc.
- ***Experienced professionals*** interested in reskilling courses before entering the sector
- ***Training providers*** at technical colleges, universities, etc.
- ***Young talent and Career Advisors*** aiming to learn more on the job opportunities



A Time for Doers

Format

The course consists of 10 modules delivered in 1,5-hour synchronous sessions, with each session including one of more special guest speakers. Following the delivery of the online modules, learners will be invited to a one day in-person field session at Mohawk College which will take place on March 4th.

Agenda and Timing

All online Courses will start at 9am EST – 2pm UK – 3pm CET

Nov 12th	Opportunity – *Why Decarbonising Heating & Cooling Matters*
Nov. 19th	Strategy – *How to Decarbonise Heat – Lessons from the Nordic Experience*
Nov. 26th	Getting Started – *Crossing the Valley of Death: Moving Projects from Vision to Reality*
Dec. 3rd	Solutions & Skills – *Technologies, Workforce Needs, and Real-World Implementation*
Dec. 10th	Conserve – *Energy Efficiency First: The Foundation of Heat Decarbonization*
Jan. 14th	Connect – *District Energy and Heat Networks: Delivering Low-Carbon Heat at Scale*
Jan. 21st	Convert – *Transitioning to Low-Carbon Heat Sources*
Jan. 28th	*Project Preparation – Building the Business Case: Commercial and Technical Modelling*
Feb. 4th	*Securing Buy-In – Stakeholder Engagement, Leadership, and Change Management*
Feb. 11th	Recap – *From Learning to Action: Developing Your Decarbonization Roadmap*
March 4th	Reality Check – *Optional In-person session in Hamilton, Ontario*

For questions and registration, please contact

Ellinor Anderberg
Heatnet Global
ea@heatnetglobal.com
+46 70 287 90 46
www.heatnetglobal.com

Organizers