

Vocational Education and Training

Course Catalogue

Courses 2027 – Q1-Q2

Period	Courses	Edition	Registration and questions
2027 – Q1-Q2	**12**	**2026-11**	**Contact Ellinor Anderberg** ea@heatnetglobal.com · +46 70 287 90 46

DHC Academy · HEATNET GLOBAL · A Time for Doers · Euroheat & Power · Co-funded by the European Union

Course Catalogue

Vocational Education and Training · Courses 2027 – Q1-Q2

Micro Credential

01 Decarbonising Heat: An Introductory Course

Drivers – Solutions – Action

Start date: 12 November

This 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 using digital twinning software. 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.



Introductory Course

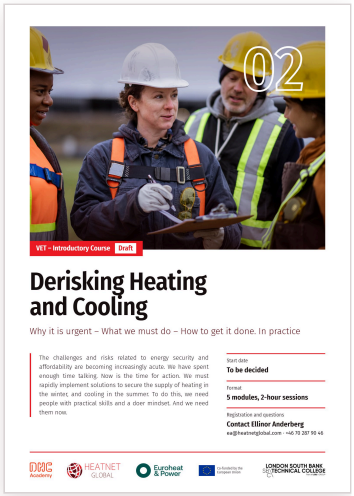
02 Derisking Heating & Cooling – A Time for Doers

Why – What – How

Start date: (to be confirmed)

The challenges and risks related to energy security and affordability 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.

This introductory course 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 using digital twinning software. The course consists of 5 modules delivered in 2 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 an optional one day in-person field session at South Bank Colleges in London.



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Introductory Course

03 Quick Fix Kit for Cooling Buildings

How to make buildings ready for next summer

Start date: (To be decided)

Cities worldwide are warming faster than rural areas due to the compounding effect of climate change and the Urban Heat Island effect, where dark asphalt, concrete, and dense infrastructure trap heat. There is an urgent need to retrofit buildings and adjust city layout to mitigate the effects. This can't wait - Where do we start?

This introductory course outlines a quick fix kit to adapt buildings to a warmer climate. This involves

- highlighting the broad scale of options, solutions and practices available
- assessing solutions with regards to impact vs. capex and operational costs
- combining selected solutions and approach into a standardised replicable kit which can be retrofitted short term, and at scale.



Introductory Course

04 Retaining Industrial Waste Heat

Cost-effective and replicable energy recovery systems for small scale industries and incineration facilities

Start date: (To be decided)

Industries across the globe emit significant amounts of waste energy. In an era of soaring energy costs and increased focus on resilience and energy security, businesses are becoming increasingly aware of the commercial value of the redundant heat generated in industrial processes.

This introductory course explores the principles, technologies, and strategies for recovering industrial waste heat and transforming it to electricity as well as heating and cooling which in turn can support internal processes or be distributed to external users. The course will involve speakers from across the globe, all with a hands-on experience in the field. It will also include latest digital modelling solutions.



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Introductory Course

05 Asset Management of Heat Networks

Solutions and Practices to Optimise Performance, Life-Cycle Costs and Overall Returns

Start date: (To be decided)

This introductory course explores the challenges, technologies, and best practice to maximise performance, reliability and life-time of heat network systems. The course highlights a range of new technologies and digital solutions to assist in the processes of designing, installing, monitoring and refurbishing heat network assets with the aim of minimising life-cycle costs



Topics Addressed

- **Basic Challenges** – what can go wrong and what are the consequences
- **Strategy** – how to build a 100-year network
- **Solutions** – technologies for monitoring, optimisation, and refurbishment
- **Implementation** – processes for taking projects from vision to operations
- **Scaling up** – capacity building - training, and access to suppliers

Introductory Course

06 Decarbonising Small Communities

Strategies and Solutions for building, operating and maintaining affordable small-scale heat network systems

Start date: (To be decided)

Small towns and rural communities tend to be sidestepped in strategies to derisk heating and cooling. The costs for designing, implementing and operating small scale heat networks are often insurmountable barriers. However, by applying a highly standardised modular approach it is possible to significantly reduce Capex – From tailor made to industrialisation.



The course provides and overview of:

- **Potential** – drivers and potential for decarbonising small communities
- **Challenges** – barriers to overcome for building small scale
- **Solutions** – technologies involved – conserve, control, connect, convert
- **Strategy** – key steps to take heating from Fossils to Future
- **Kits** – modular approach to reduce capex, risks and operational costs
- **Implementation** – processes for taking projects from vision to operations
- **Scaling up** – capacity building - training, and access to suppliers

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Introductory Course

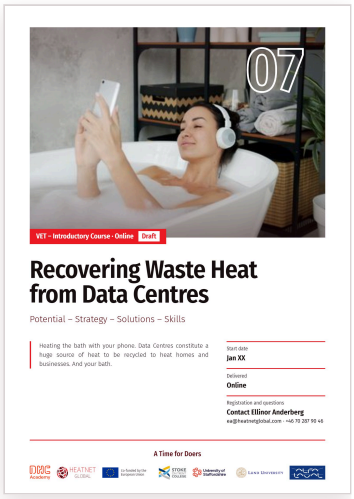
07 Recovering Waste Heat from Data Centres

Potential – Strategy – Solutions – Skills

Start date: (To be decided)

Chatterley Whitfield Colliery was one of the pillars to the industrial revolution. Launched in the 18th century it was the first colliery in the UK to produce 1,000,000 tons of saleable coal in a year. It has been disused since 1977. Now the plan is to bring it back to life, this time to build the digital future.

This introductory course explores the principles, technologies, and strategies for recovering redundant heat from data centres and transforming it to district heating and cooling which in turn can support internal processes or be distributed to external users. The course will involve speakers from across the globe, all with a hands-on experience in the field.



Introductory Course

08 Digital Transformation for DHC

Why – What – How

Start date: (To be decided)

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?

This introductory course 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.



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Introductory Course

09 Smart Cool

Integrated Smart and Passive Cooling Solutions for Energy-Efficient Tertiary Buildings

Start date: (To be decided)

The desert is a beautiful sight, a bearer of dreams and legends. It can also be an unforgivable place offering burning heat under a scorching sun with nowhere to hide. And yet, seemingly against all odds, there are ways to make the sun, and the sand cooperate in providing perfect conditions for humans.

This introductory course explores the challenges, technologies, and best practice to develop and implement a system solution for sustainable cooling in high temperature regions. The course highlights a range of new technologies and digital solutions to assist in the processes of commercial modelling, design, installations optimising the benefits



Introductory Course

10 Green Skills – Change Makers Programme

Leading the Transition: Turning Climate Challenges into Regional Opportunities

Start date: (To be decided)

There is no end to the list of challenges facing the next generation – air pollution, climate change, fuel poverty, resource degradation, worklessness, energy security concerns, conflicts, to mention only a few. It may seem almost absurd to mention heating and cooling as a major career opportunity for young talents. But it is, and not only that. Decarbonising heating and cooling is in fact, a key part of the solution to the issues above.

This course highlights the rapidly growing job and career opportunities in the sector of decarbonising heating and cooling in buildings. Topics addressed include a review of the basic concepts of heating and cooling buildings, the drivers, solutions and benefits of decarbonising, and a description of career opportunities and how and where to develop the required skills.



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Introductory Course

11 Royal Heating and Cooling

Decarbonising Historic Buildings – Challenges, Strategy, Solutions, Skills

Start date: (To be decided)

Decarbonising Heating and Cooling is a process involving significant opportunities, but also major challenges. The complexities accumulates even further when it comes to old landmark buildings. Regulatory restrictions, preservation rules, and demanding customers are examples on obstacles. But it can be done, ask the king of Sweden!

This course explores the challenges, strategies, solutions and skills required for decarbonising heating and cooling in historic buildings. The course will highlight cost effective and scalable technologies, practices and business models making it viable – technically, politically and commercially. Demands for combined heating and cooling solutions will be addressed



Introductory Course

12 Building Efficiency

Quick fix kit for reducing the heat bill for residential, public and commercial buildings

Start date: (To be decided)

The first step in any energy efficiency project is to reduce the demand for heat. Replacing our current building stock is not feasible. It would take centuries to do so and would only increase our carbon footprint. The way forward is to improve the buildings we already have.

Investments in energy efficiency of buildings offer immediate financial and environmental pay-back. Improving energy efficiency also enables more sustainable heat sourcing; reducing the need for heat paves the way for a broad range of heating solutions such as heat pumps connected to low temperature heat sources.



DHC Academy

Led by Euroheat & Power, and co-funded by the European Union, DHC Academy is designed to address the growing need for skilled professionals in the European heating and cooling sector. It involves training institutions, operators, and supply chain partners from across Europe. Heatnet Global leads the development and delivery of Vocational Education & Training in collaboration with industry partners and training institutions across Europe and beyond.

01 The Academy

The DHC Academy is designed to address the growing need for skilled professionals in the European heating and cooling sector, which is critical for achieving the objectives related to decarbonisation and energy resilience. The sector faces significant professional and vocational skill gaps that hinder its growth and innovation, particularly in areas such as project management, commercial modelling, technical design, installation and operations.

The Academy, which is co-funded by the European Union, consists of a Higher Education platform and a Vocational Education and Training platform. Heatnet Global is responsible for the development and implementation of the Vocational Education and Training platform (WP4).

02 Vocational Education and Training

Heatnet Global has extensive experience in developing and delivering training courses in the DHC sector. Since the start in 2015, Heatnet Global, under the brand Heat Academy, has organised hundreds of training sessions across Europe, in Canada and in India. Training activities are run in person and online, and cover a broad range of topics, both technical and commercial.

The mission of the DHC Academy WP4 is to address the competence and capacity gaps in the sector by offering hands-on training and facilitating collaboration and sharing of best practice.

03 Mindset

DHC Academy is a highly results-driven and action-oriented training initiative focusing on the mission to rapidly implement sustainable energy solutions in practice. The aim is not to establish a platform for high-level theoretical and intellectual conversations. DHC Academy is all about action, completion and results. Getting things done in real life. Ice hockey, not figure skating.

04 Consortium

Euroheat & Power | **Politecnico di Torino** | **HAWK University** | **Halmstad University** | **Lund University**

Tallinn University of Technology | **KU Leuven** | **Executy** | **Optit** | **RE2N** | **Daikin** | **Heatnet Global**

All courses and dates **heatnetglobal.com/training/dhc-academy**

Contact Ellinor Anderberg for registration and questions
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