

UKDEA

DISTRICT ENERGY ASSOCIATION

Member Training Register

Last Updated: October 2023

What is the UKDEA Training Register?

The UKDEA Training Register is a document that contains all of the training courses that are offered by UKDEA Members.

Here you can find each of the courses offered by our Members, including details of the courses themselves such as location and cost.

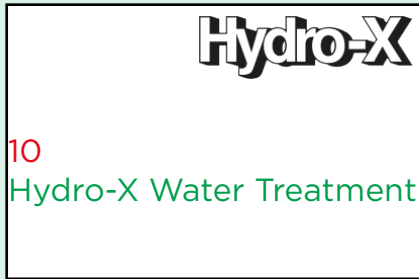
If you would like to attend one of these courses or would like to find out more, please get in touch with the Member by using the details provided in the listing.

How do I add my organisation's training courses to the UKDEA Training Register?

Only UKDEA Members are eligible to appear on the Training Register. If you are an existing UKDEA Member and would like to add your training courses, or you would like to join the Association in order to do so, please get in touch with secretary@ukdea.org.uk.



1. Heat Network design, sizing, installation & commissioning (CIBSE approved CPD)
2. Understanding the BESA HIU test (CIBSE approved CPD)
3. Overcoming inefficiency and common heat network problems
4. HIU's and heat pumps: A guide to the design of 4G Heat Pump led and sole Heat pump energy centre heat networks
5. Future-proofing heat networks
6. An Introduction to Balancing Valves and Commissioning (CIBSE approved CPD)
7. An Introduction to HIU Design and Fault Diagnosis (applicable to Most Manufacturers HIU's Installed in the UK)



1. Closed System (District Energy) Water Treatment CPD Accredited - A013322)



1. District Heating and Heat Networks CPD
2. RE04 Pre-insulated pipe installation academy



1. Introduction to brazed plate heat exchangers
2. SSP Selection software training
3. Hysopt BPHE selection training



1. Heat metering technology, installation and getting it right first time



15-18

SAV Systems

1. Integrating Heat Pumps into Heat Networks
2. Achieving Passivhaus & BB101 Standards for School Ventilation
3. 4G Heat Network Design
4. Heat Network Metering and Billing (Smart M-Bus)
5. Danfoss FlatStation HIU
6. LoadTracker CHP and Hybrid Energy Centres
7. Meeting BB101 (2018) with Smart Mechanical Ventilation
8. HVAC Modules
9. The Implications of Net Zero for School Design



19-20

Isoplus Piping Systems

1. Joint Installation
2. Supervision and Inspection
3. Installation Rules
4. Leak Detection
5. Introduction
6. Customised Courses



21

Mittel Fjärrvärme AB

1. Installation of Mittel Fusion Joints



22-23

Gexcon UK

1. Comprehensive Explosion Science
2. Bespoke DSEAR & ATEX Training
3. Online Basic DSEAR Awareness Training
4. Process Safety Management (PSM)
5. An introduction to: Hazard Identification Studies (HAZID), Hazard and Operability Studies (HAZOP), BowTie
6. Consequence modelling of toxic and flammable gas releases, fires and explosions using 2D and 3D Software



24

Pinnacle Power

1. Introduction to District Heating
2. FlatStations - Heat Interface Units.
3. LoadTracker CHP - Small scale CHP to optimise heat and power



25-29

LOGSTOR UK

1. Shrink Joints (K7101)
2. Extrusion Welding (K7102)
3. EW- & BandJoints (K7109)
4. Supervision & control (K7117)
5. LOGSTOR Industry (K7166)
6. Shrink and WeldJoints (K7120)
7. LOGSTOR TCO
8. High & Low temperature systems CIBSE CPD
9. District Heating in Modern Design CIBSE CPD
10. District Heating Leak Detection CIBSE CPD



Thinking solutions.

30

Reflex Winkelmann
GmbH

1. Dynamic Pressurisation Explained - CPD
2. Deaeration & Degassing Explained



31

Herz UK

1. Heat Networks and the use of HIU's (CIBSE approved CPD)
2. Herz approved engineer status Training
3. Installation and Commissioning



32-33

CPV

1. Pre-insulated Heat Network Design and Specification
2. Thermoplastic Service Pipe Installation
3. Insulation Oversleeve Installation



34

Micronics

1. Non-invasive flow & heat meter training
2. Difference between Time of Flight & Doppler
3. Can non-invasive metering really be cost effective new & retro fit projects
4. Bulk metering not a scary as first thought.



35-36
Flamco

1. Dynamic Balancing Solutions
2. Heating and Cooling Interface Units and Substations
3. Sealed system expansion and pressurisation
4. Sealed system expansion and pressurisation (High Rise Buildings)



37-38
Sycous

1. Utility Metering - Selection, Installation and Commissioning
2. Automatic Meter Reading (AMR) communication's including MBus, Wireless MBus, Pulse, LoRaWAN
3. PAYG Solutions
4. Billing in-line with Metering and Billing Regulations (New 2020 Regulations)



39
Aquatherm

1. Aquatherm installer training
2. Aquatherm CPD - Plastic Piping Systems in the Building Services Industry.



40-42
Thermal Integration

1. Explaining Modern HIU Technology - HIU's and Storage
2. District Heating Awareness
3. District Heating installation, Commissioning and Maintenance (2 Day)
4. HIU Management and Plantroom Controls
5. Renewable Heat Courses
6. HETAS Training | Solid Fuel Courses

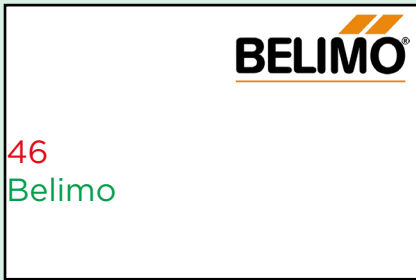


43
Comsof Heat

1. Comsof Heat Open Training



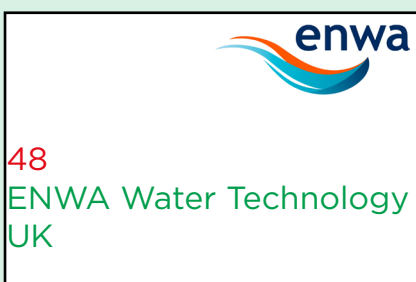
1. SMSTS - CITB
2. SSSTS - CITB
3. Emergency & First Aid at Work
4. IOSH Managing Safely



1. Sensors in HVAC Systems (CIBSE approved CPD)
2. The Evolution of Pressure Independent Control Valves (CIBSE approved CPD)
3. Fire Dampers in HVAC Systems (CIBSE approved CPD)



1. Natural Refrigerant Heat pumps and District Heating



1. Filtration and water treatment in closed loop heating and cooling systems
2. Disinfection and Bacteria Control In Water System



1. The Heat Network Regulations and your Responsibilities
2. Achieving Net Zero: The role of Heat Networks in the Residential Managed Sector
3. Heat Networks: The Importance of Effective Maintenance



50-52
Danfoss

1. Instantaneous or Semi-Instantaneous methodology
2. Robust hot water supply whilst satisfying variable peak load demands
3. Comfort & Anti legionella legislative protection
4. CP1 2020 aligned technology ensuring reduced primary return temperatures
5. The effect poor performance has on fuel poverty and the move to net zero
6. How data can be used to understand and improve comfort and building performance
7. Metering and billing legislation requirements for network operators
8. Thermal balancing of the network & Lowering bills and reducing carbon emissions
9. Key themes contained within the update of CP1 2020
10. How to design a building thermal substation to achieve a low return temperature
11. CP1 commissioning requirements for building thermal substations
12. Performance feedback for clients and ongoing monitoring of the building connection



53
Kingspan Technical
Insulation

1. Heat Networks - Secondary Insulation Systems



54
BWT

1. Treatment of Heat Transfer Fluid
2. Onsite Practical use of BWT Equipment

SECTION 1 - ORGANISATION

Name of organisation	Altecnic Ltd
Brief description of organisation's main activities in DH field:	Manufacture of heat intaface Units (HIU's). Via our field-based sales team we can offer technical support on design, sizing, installation and commissioning.
Contact Name	Ed Morris
Phone Number	07764 502657
E-Mail	Ed.morris@altecnic.co.uk
Web-link	www.altecnic.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	No Cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	15 attendees

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Heat Network design, sizing, installation & commissioning (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:	Training can be carried out at/on client premise as necessary	
Subject Covered (2)	Understanding the BESA HIU test (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Training can be carried out at/on client premise as necessary	
Subject Covered (3)	Overcoming inefficiency and common heat network problems	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:	Training can be carried out at/on a client premises as necessary	

Subject Covered (4)	HIU's and heat pumps: A guide to the design of 4G Heat Pump led and sole Heat pump energy centre heat networks	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Training can be carried out at/on a client premises as necessary	
Subject Covered (5)	Future-proofing heat networks	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Training can be carried out at/on a client premises as necessary	
Subject Covered (6)	An Introduction to Balancing Valves and Commissioning (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Training can be carried out at/on client premise as necessary	
Subject Covered (7)	An Introduction to HIU Design and Fault Diagnosis (applicable to Most Manufacturers HIU's Installed in the UK)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Training can be carried out at/on a client premises as necessary	



SECTION 1 - ORGANISATION

Name of organisation	Hydro-X Water Treatment
Brief description of organisation's main activities in DH field:	Water treatment and water treatment efficiency consulting for District Heating.
Contact Name	Jon Greaves
Phone Number	07810 021906
E-Mail	jon.greaves@hydro-x.co.uk
Web-link	www.hydro-x.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	No Cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	Ideally 6 or more

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Closed System (District Energy) Water Treatment CPD Accredited - A013322)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	Focussing on water quality in District Heating networks, maximising the life of a network, minimising downtime and non-budgeted capital costs associated with poor water quality.	

SECTION 1 - ORGANISATION

Name of organisation	REHAU Ltd
Brief description of organisation's main activities in DH field:	Pre-insulated District Heating pipe manufacturer.
Contact Name	Steve Richmond
Phone Number	01989 762642
E-Mail	steve.richmond@rehau.com
Web-link	www.rehau.uk/districtheating

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	No
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	District Heating and Heat Networks CPD	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	CIBSE certified.	
Subject Covered (2)	RE04 Pre-insulated pipe installation academy	
Nature of Training	Theory	YES
	Practical with working test rigs in a training facility	No
	Practical on site	Yes
Other Information:	For installers to become accredited REHAU pre-insulated pipe installers.	



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SECTION 1 - ORGANISATION

Name of organisation	SWEP International AB
Brief description of organisation's main activities in DH field:	Manufacturer of brazed plate heat exchangers
Contact Name	Adam Raymond & Elliot Miles
Phone Number	01235 838632
E-Mail	swepuk@swep.net
Web-link	www.swep.net

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	N/A
Client Site (meaning a site with relevant plant installed)	Yes on request
Client Office	Yes on request
Other (Describe)	Digital (eg Teams, Zoom). All training courses can be hosted at SWEP offices (COVID-19 permitting)
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	No minimum no. of attendees

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Introduction to brazed plate heat exchangers	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:	The courses for Brazed Plate Heat Exchanger are a choice between the below three:	
	<ul style="list-style-type: none"> • Product knowledge of Brazed Plate Heat Exchanger, a gasket free solution, how it is built up and basic heat transfer knowledge. • Design knowledge, heat transfer theory and how to design an optimal Brazed Plate Heat Exchanger in the design software SSP G8. • Application knowledge of Brazed Plate Heat Exchanger in District Energy, such as district heating & cooling, heat pump, organic rankine cycle, residential heating, Data Centre Cooling, transfer of surplus heat, etc. 	

Subject Covered (2)	SSP Selection software training	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Yes
Other Information:	Training on how to use our SSP heat exchanger selection and sizing software. CIBSE CPD Approved.	
Subject Covered (3)	Hysopt BPHE selection training	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Yes
Other Information:	Training on how to size and select SWEP heat exchangers using the Hyspot software. CIBSE CPD Approved.	

SECTION 1 - ORGANISATION

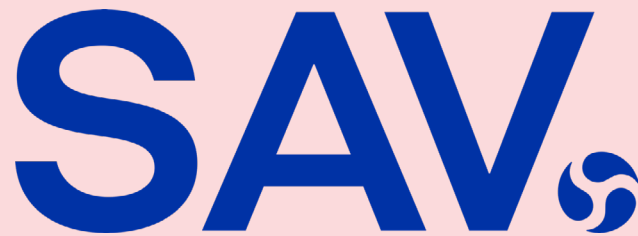
Name of organisation	DMS Metering Solutions
Brief description of organisation's main activities in DH field:	<p>DMS are an independent supplier of metering and control solutions, principally operating within the Building Services, District Heating and Renewables market sectors, with a proven track record for excellent customer service and support spanning over 20 years.</p> <p>Centrally located near Nottingham, DMS support a Nationwide supply service, with a comprehensive customer capability that is second to none; including onsite technical support, training and commissioning. Our business ethos is to be selective in supplying only high quality, market leading products and services; a number of which are exclusive to DMS within the UK.</p> <p>All our products and services are backed up by an experienced technical sales team, who will ensure that your enquiry is responded to the same day wherever possible. Fast and efficient "ex-stock" availability is offered on most of the products we supply so you can order with confidence knowing your goods will be there next day.</p>
Contact Name	Lucy Fisher
Phone Number	01773 534555
E-Mail	meters@dmsltd.com
Web-link	www.dmsltd.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	No
Other (Describe)	
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Heat metering technology, installation and getting it right first time	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:		



SECTION 1 - ORGANISATION

Name of organisation	SAV Systems Ltd
Brief description of organisation's main activities in DH field:	SAV Systems is an established provider of low carbon technology for heating and ventilation solutions. In partnership with our trusted technology partners, we develop new applications to fit each project's needs. Our technologies include AirMaster Smart Mechanical Ventilation, Hybrid Energy Centres (including LoadTracker CHP, Mitsubishi Heat Pumps and Varmebaronen electric boilers), Kamstrup energymetering, Danfoss Flat Stations Heat Interface Units (HIU) and PITRVs, KURVE metering and billing web app and FloCon Watchman Commissioning Modules. Partnering is at the heart of our business philosophy. We are involved from the very earliest stages of a project and work alongside the rest of the team to facilitate smooth delivery right through to commissioning and beyond. Working versions of each of our low carbon technology products are installed at our offices and visitors are welcome to see this equipment in operation.
Contact Name	Adam Fabricius
Phone Number	01483 917137
E-Mail	Adam.fabricius@sav-systems.com
Web-link	https://www.sav-systems.com/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Scandia House, Boundary Rd, Woking GU21 5BX
Client Site (meaning a site with relevant plant installed)	N/A
Client Office	N/A
Other (Describe)	N/A
Cost to Attendee	N/A
Frequency of training or is it Adhoc?	Frequently but Adhoc
Minimum Number of Attendees Needed	No minimum

SECTION 3 - TRAINING CONTENT

Subject Covered (1) Integrating Heat Pumps into Heat Networks		
Nature of Training	Theory	This CPD seminar guides it attendants on Integrating Heat Pumps in Building Design. It aims to show its attendants how to ensure Heat Pump performance when designing a building. It also investigates the required temperatures and advises on the best CAPEX/OPEX balance
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (2) Achieving Passivhaus & BB101 Standards for School Ventilation		
Nature of Training	Theory	The CPD is designed to demonstrate that by linking Passivhaus standards and those of BB101, we can achieve schools with much lower carbon footprints, whilst discussing the merits of the guidance in these documents.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (3) 4G Heat Network Design		
Nature of Training	Theory	Based on best practice and extensive practical experience gained in Denmark and the UK, this Seminar aims to provide attendees with the design principles governing Heat Networks which are reliable, cost-effective and future-proofed.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (4) Heat Network Metering and Billing (Smart M-Bus)		
Nature of Training	Theory	Smart M-Bus provides transparency, insights and accountability to heat networks. Keeping in mind the key stakeholders of heat networks, this seminar covers the principles of metering in 4G Heat networks.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

Subject Covered (5)	Danfoss FlatStation HIU	
Nature of Training	Theory	For those attendees unfamiliar with FlatStation HIUs, the session aims to provide a good understanding of the underlying district heating and central plant principles. The veterans can develop any of the finer points which they would like clarification of. SAV will bring their hands-on practical experience of several hundred successful projects on which FlatStations have been incorporated. All things being equal, every attendee should come away from the seminar with their knowledge base enhanced.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (6)	LoadTracker CHP and Hybrid Energy Centres	
Nature of Training	Theory	This CPD Seminar is designed for Building Services Mechanical Consulting Engineers, Energy Managers and HVAC System Designers. It contributes 1.25 hours of CPD time. The Seminar has useful content for those starting out with CHP, as well as for those who are already well versed in the subject. It provides a thorough introduction to CHP and will help you to hit the ground running with your own clients. Attendees will develop an instinct for matching CHP plant to various types of projects.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

Subject Covered (7) Meeting BB101 (2018) with Smart Mechanical Ventilation		
Nature of Training	Theory	The AirMaster SVU CPD explains the main changes to the reissue of BB101 and how AirMaster SVUs can aid consultants in solving the new challenges that it proposes. Attendees will gain the knowledge of how to utilise AirMaster SVUs in a school setting.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (8) HVAC Modules		
Nature of Training	Theory	Ever since 1999 when Commissioning Modules were introduced, SAV Systems has been at the forefront in developing well-designed solutions for use in Heating, Ventilation and Air Conditioning systems. Improvements in flow control have contributed to reductions in system energy usage, simplification of commissioning and better response times. This CIBSE accredited seminar will provide attendees with an update on all of these, and more. The objective is to leave you in a position to take the lead in discussing any of these issues, in a project scenario.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (9) The Implications of Net Zero for School Design		
Nature of Training	Theory	The CPD discusses how designers can integrate a range of low carbon methodologies and technologies, including MVHR and heat pumps, to achieve better performing indoor environments for pupils whilst cutting the carbon footprint of the schools.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

SECTION 1 - ORGANISATION

Name of organisation	Isoplus Piping Systems
Brief description of organisation's main activities in DH field:	<p>Isoplus Piping Systems offers pre-insulated piping systems for district energy. We also offer a full range of services involved in the provision of community/district heating. These services are outlined below but are condensed and can be expanded upon if needed:</p> <ul style="list-style-type: none"> • Network Design - Pipesizing, thermal expansion/contraction, thermal performance, energy assessment. • Costing - budgetary support to clients, economic considerations. • Planning - programming, liaison with third parties, coordination. • Installation - Civil Engineering, welding, testing, jointing, Flush and cleaning. • Maintenance - alarm inspections, service tracing, PPM.
Contact Name	Steve Webster
Phone Number	01302 276976
E-Mail	sales@isoplus.co.uk
Web-link	https://www.isoplus.dk/int/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Location is dependent on if the training comprises of both theoretical and practical training.
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Joint Installation	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	After the course, the participant is a certified fitter of isoplus joints and/or branch.	

Subject Covered (2)	Supervision and Inspection	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	After the course, the participant knows how to supervise and inspect district heating projects with regard to installation, technique, statics and leak detection system.	
Subject Covered (3)	Installation Rules	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	After the course, the participant knows how to design pipe systems in accordance with the specifications in isoplus catalogue and specify the optimal pipe trace.	
Subject Covered (4)	Leak Detection	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	This course enables the participant to design and supervise a leak detection system.	
Subject Covered (5)	Introduction	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information	New employees working with energy, contractors or consultants.	
Subject Covered (6)	Customised Courses	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Maybe
	Practical on site	No
Other Information	Anybody with the individual need to expand his or her skill set within purchasing, installation, supervision or inspection of pre-insulated piping systems for district heating.	



SECTION 1 - ORGANISATION

Name of organisation	Mittel Fjärrvärme AB
Brief description of organisation's main activities in DH field:	Electro fission joints for pre-insulated pipes. Leak detection systems.
Contact Name	Marcin Laczynski
Phone Number	46,7686,480,976
E-Mail	Marcin.laczynski@gmail.com
Web-link	www.mittel.se

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	No
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Installation of Mittel Fusion Joints	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	
	Practical on site	Yes
Other Information:		



SECTION 1 - ORGANISATION

Name of organisation	Gexcon UK Ltd
Brief description of organisation's main activities in DH field:	Gexcon UK is part of Gexcon International, a world-leading company in the field of safety and risk management and advanced dispersion, explosion and fire modelling. Gexcon's experience arises from detailed knowledge of explosion phenomena built up throughout years of extensive research projects, carrying out safety assessments, performing accident investigations and performing physical testing at the company's own dedicated facilities on the Norwegian island of Sotra outside Bergen.
Contact Name	Stephanie Powell
Phone Number	01925 202430
E-Mail	Stephanie.Powell@gexcon.com
Web-link	www.gexcon.com/uk/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Virtual / remote delivery available
Cost to Attendee	Yes - Varies
Frequency of training or is it Adhoc?	Adhoc based on client requirements
Minimum Number of Attendees Needed	2

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Comprehensive Explosion Science	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:	Remote delivery available	
Subject Covered (2)	Bespoke DSEAR & ATEX Training	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

Subject Covered (3)	Online Basic DSEAR Awareness Training	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:	Online Course Only	
Subject Covered (4)	Process Safety Management (PSM)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:	Classroom or remote delivery available	
Subject Covered (5)	An introduction to: Hazard Identification Studies (HAZID), Hazard and Operability Studies (HAZOP), BowTie	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Workshop style, practical exercises available
Other Information:	Classroom or remote delivery	
Subject Covered (6)	Consequence modelling of toxic and flammable gas releases, fires and explosions using 2D and 3D Software	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Practical exercises available
Other Information:	Classroom or remote delivery available	



SECTION 1 - ORGANISATION

Name of organisation	Pinnacle Power
Brief description of organisation's main activities in DH field:	Pinnacle Power design, build, operate, maintain and finance DH networks for communities, working to reduce costs, energy consumption and carbon emissions, and build bespoke energy networks for new and existing developments.
Contact Name	Rhea Marsden
Phone Number	07834 802713
E-Mail	Rhea.Marsden@pinnaclepower.co.uk
Web-link	www.pinnaclepower.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes (Greenwich Energy Centre)
Client Site (meaning a site with relevant plant installed)	No
Client Office	No
Other (Describe)	New LA, Developer or Housing Association employees wanting to gain in a basic understanding of UK District Heating and Heat Networks.
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Introduction to District Heating	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Yes - includes a site tour.
Other Information:	After the course, delegates will have: <ul style="list-style-type: none"> • Learnt about plans for future optimised district heating systems. • Learnt about how policy is being changed to support the move towards an optimised energy system providing cheaper, cleaner energy for all. • Learnt about new funding programmes from the Government and innovation initiatives. 	
Subject Covered (2)	FlatStations - Heat Interface Units.	
Nature of Training	Theory	No
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Subject Covered (3)	LoadTracker CHP - Small scale CHP to optimise heat and power.	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No

SECTION 1 - ORGANISATION

Name of organisation	LOGSTOR UK LTD
Brief description of organisation's main activities in DH field:	Designing, manufacturing, and supplying insulation solutions for district heating and cooling networks and pipeline systems. Provide solutions for the oil and gas industry, industrial applications, and renewable energy sectors. We offer services such as project management, academy training, logistics, and technical support to our customers.
Contact Name	Daniel Davies
Phone Number	07557 977665
E-Mail	Daniel.davies@kingspan.com
Web-link	www.logstor.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Kingspan Academy, Unit 11 Green Lane Network Centre, Boothroyd's Way, Featherstone United Kingdom WF7 6EN
Client Office	Logstor UK Ltd, Office 10, Rear walled Gardens, The Nostell Estate, WF4 1AB
Other (Describe)	
Cost to Attendee	Yes, depending on the course
Frequency of training or is it Adhoc?	As required
Minimum Number of Attendees Needed	Ideally minimum four people on the academy courses

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Shrink Joints (K7101)	
Nature of Training	Theory	<ul style="list-style-type: none"> To give sufficient knowledge about materials and their use. To know the theory and installation of the LOGSTOR casing assemblies. To assess and carry out minor repairs. To give information about LOGSTOR handling and installation manual.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> Installing the following casing joints: BX - C2L - SX-WP - SXB-WP - SXT-WP - TX - B2S/BS. Installing End Cap. Installing Press Coupling. Installing cable take-off in the casing. Installing and control measurement of LOGSTOR surveillance system.
	Practical on site	
Other Information:		

Subject Covered (2)	Extrusion Welding (K7102)	
Nature of Training	Theory	<ul style="list-style-type: none"> • To convey the necessary knowledge about materials and their application in order to be able to install and inspect. LOGSTOR weld joints TSJoint and TS SaddleJoint as well as assess and carry out minor repairs. • To enable the participants to handle the extrusion weld machine and other necessary equipment for extrusion welding. • To gain knowledge about different extrusion welding procedures. • To become acquainted with the Product Catalogue and the Weld Joint Manual.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> • Plastic philosophy. • Exposition and use of welding equipment. • Welding procedures. • Longitudinal extrusion welding. • Saddle extrusion welding. • Installation of T-joints.
	Practical on site	
Other Information:		
Subject Covered (3)	EW- & BandJoints (K7109)	
Nature of Training	Theory	<ul style="list-style-type: none"> • To acquire the necessary knowledge about materials and their use to be able to install and inspect the LOGSTOR weld joints EW- & BandJoint and BandJoint branch Flextra, as well as estimate and perform minor repairs. • To be able to operate the welding machine “Weldmaster”. • To acquire knowledge of the Weldmaster portal (documentation). • To acquire knowledge of the Product Catalogue and the Handling & Installation Manual Know the principles of other LOGSTOR casing joints. • To acquire the necessary knowledge about materials and their use to enable participants to install alarm wires in the surveillance system and prepare documentation.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> • Jointing technique for weld joints. • Operation of Weldmaster / welding machine. • Weld documentation. • Surveillance system.
	Practical on site	
Other Information:		

Subject Covered (4)	Supervision & control (K7117)	
Nature of Training	Theory	<ul style="list-style-type: none"> • To give sufficient knowledge about materials and their use. • To give sufficient knowledge about visual control methods. • To give sufficient knowledge about LOGSTOR Surveillance system. • To give information about the product programme.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> • Judge the following casing BX, SX-WP, XB-WP, SXT-WP, TX, B2S/BS, BandJoint, EW Joint. • Judge End Caps. • Judge Press Couplings. • Judge repairs. • Control measure and judge measuring reports on LOGSTOR surveillance system. • Documentation.
	Practical on site	
Other Information:		
Subject Covered (5)	LOGSTOR Industry (K7166)	
Nature of Training	Theory	<ul style="list-style-type: none"> • To give the participants the required knowhow about materials and their use in order to be able to install and check LOGSTOR Industry shrink connections in open/closed casing joints. • Installation of EWJoint, FX/BXJoint, BMJoint, TMC-CJoint in black as well as LMJoint straight and EC end cap in white. • To give the participants the required knowhow about materials and their use in order to be able to install surveillance wires in the surveillance system and draw up the documentation. • To give the participants knowledge of the product catalogue as well as the LOGSTOR Industry installation manual.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> • Casing technique of LOGSTOR Industry shrink joints. • HT system. • Consumable and repair materials. • Transport and handling. • Installation of pipe supports. • Surveillance system.
	Practical on site	
Other Information:		

Subject Covered (6)		Shrink and WeldJoints (K7120)
Nature of Training	Theory	<ul style="list-style-type: none"> To give knowledge about shrink materials and their use in order to install and control LOGSTOR ShrinkJoints BX, SX-WP, SXB-WP, SXT-WP, TX, C2L, B2S/BS, pres coupling (Flex) and cable outlet in casing and evaluate and carry out minor repairs. To give knowledge about weld joints BandJoint and EW and their use. The use of the WeldMaster welding machine and PDA. As knowledge of the LOGSTOR WeldMaster Portal. To give knowledge about materials and their use in order to install surveillance system and make documentation on work. To give information about LOGSTOR handling and installation manual.
	Practical with working test rigs in a training facility	<ul style="list-style-type: none"> LOGSTOR Shrink and weld joints. Handling, storage and transport of pipes, joints and foam. Flex-Pipe system. LOGSTOR surveillance system with focus on Nordic Alarm system.
	Practical on site	
Other Information:		
Subject Covered (7)		LOGSTOR TCO
Nature of Training	Theory	Familiarisation and demonstration of the use of LOGSTOR's TCO tool. This aims to help our customers achieve lower TCO by designing and producing energy-efficient and durable solutions that require minimal maintenance and repair. Lower TCO results in increased profitability for customers and a more sustainable business.
	Practical with working test rigs in a training facility	
	Practical on site	
Other Information:		
Subject Covered (8)		High & Low temperature systems CIBSE CPD
Nature of Training	Theory	CIBSE accredited CPD course covering high and low temperature systems for Industrial application. The CPD covers applications ranging from -60 - 250 degrees. The course also covers expansion in high temperature systems
	Practical with working test rigs in a training facility	
	Practical on site	
Other Information:		

Subject Covered (9)	District Heating in Modern Design CIBSE CPD	
Nature of Training	Theory	This CIBSE accredited CPD explains design parameters within a District Heating network taking into account total cost of ownership. The course also provides information on the various joint solutions available for a buried network and axial movement in the network.
	Practical with working test rigs in a training facility	
	Practical on site	
Other Information:		
Subject Covered (10)	District Heating Leak Detection CIBSE CPD	
Nature of Training	Theory	Understanding on the basic principles of surveillance systems and their positive impact on quality and system longevity
	Practical with working test rigs in a training facility	
	Practical on site	
Other Information:		



Thinking solutions.

SECTION 1 - ORGANISATION

Name of organisation	Reflex Winkelmann GmbH
Brief description of organisation's main activities in DH field:	Manufacturers of pressurisation and degassing stations for heat networks of all sizes.
Contact Name	Tim Williams
Phone Number	01612 661043
E-Mail	sales@reflexuk.co.uk
Web-link	www.reflex-winkelmann.com/en

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Training can be carried out via Skype, Teams & Zoom
Cost to Attendee	No. Courses are FOC
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	No minimum no. of attendees

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Dynamic Pressurisation Explained - CPD	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	CIBSE accredited CPD	
Subject Covered (2)	Deaeration & Degassing Explained	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	CIBSE accredited CPD	



SECTION 1 - ORGANISATION

Name of organisation	Herz UK Ltd
Brief description of organisation's main activities in DH field:	HIU Manufacturer and Supplier. Manufacturer and supplier of valves for DH systems.
Contact Name	Neil Gatland
Phone Number	07736 609947
E-Mail	neilg@herzvalves.com
Web-link	www.herzvalves.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Any suitable area to suit client.
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Heat Networks and the use of HIU's (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	
Other Information:	Herz have a range of CIBSE certified CPD's.	
Subject Covered (2)	Herz approved engineer status Training	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	Yes
Other Information:	Herz approved engineers can service and maintain the HIU under warranty for a 5 year period.	
Subject Covered (3)	Installation and Commissioning	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	Yes
Other Information:	Ensuring correct installation and commissioning procedures are followed to minimise on site issues.	

SECTION 1 - ORGANISATION

Name of organisation	CPV Ltd
Brief description of organisation's main activities in DH field:	Preinsulated District Heating Pipe manufacturer with offsite fabrication capability.
Contact Name	Chris Sykes
Phone Number	07740 733926
E-Mail	chris.sykes@cpv.co.uk
Web-link	www.cpv.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Well-equipped training room with hypothetical presentations as well as practical product demonstration.
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	No minimum number

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Pre-insulated Heat Network Design and Specification	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	<p>CIBSE accredited CPD, which can also be held via a webinar session. The course is suitable for design engineers, specifiers, installers/operators working on heat networks with technologies like ground source heat pumps, biomass, biogas, anaerobic digestion, heat recovery etc. We will discuss the different materials available to be utilised on such networks and their service life at different operating conditions.</p> <p>We will also discuss several pipe jointing types with their pros and cons which will be helpful for mechanical services installers. As a short part of this course, we will show how offsite fabrication can be useful in heat networks saving installation time and several health and safety issues.</p>	

Subject Covered (2)	Thermoplastic Service Pipe Installation	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:	We train installers on socket fusion welding, butt welding and electrofusion welding. Materials include PP, PVDF, HDPE, LDPE.	
Subject Covered (3)	Insulation Oversleeve Installation	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:	Training installer on heat-shrink and electrofusion type oversleeves with either poured on or precast foam along with alarm wire jointing as well as testing with megger tester.	



SECTION 1 - ORGANISATION

micronics

Name of organisation	Micronics
Brief description of organisation's main activities in DH field:	Design and manufacture of fully non-invasive flow & heat metering.
Contact Name	James Charlton
Phone Number	07585 007464
E-Mail	james.charlton@micronicsltd.co.uk
Web-link	www.micronicsflowmeters.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes, we can utilise existing sites if required
Client Office	Yes, for basic demos and training
Other (Describe)	
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	When the client requires. Theory only 2/3 times a year
Minimum Number of Attendees Needed	No minimum number

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Non-invasive flow & heat meter training	
Nature of Training	Theory	Yes, can be done online
	Practical with working test rigs in a training facility	Yes, rig set up at head office
	Practical on site	Yes
Other Information:		
Subject Covered (2)	Difference between Time of Flight & Doppler	
Nature of Training	Theory	Yes, can be done online
	Practical with working test rigs in a training facility	Yes, rig set up at head office
	Practical on site	Yes
Other Information:		
Subject Covered (3)	Can non-invasive metering really be cost effective for new & retro fit projects?	
Nature of Training	Theory	Yes, can be done online
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (4)	Bulk metering not as scary as first thought	
Nature of Training	Theory	Yes, can be done online
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

SECTION 1 - ORGANISATION

Name of organisation	Flamco
Brief description of organisation's main activities in DH field:	From the heat source to heat emission to heat distribution, Flamco, cover a broad spectrum of innovative building technology systems for heat networks. This internationally active group of companies has specialised in technical products and systems in the fields of installations, heating, cooling and Heat Network solutions. The sister companies belong to Aalberts N.V. of the Netherlands.
Contact Name	Lisa Rogers
Phone Number	01744 744 744
E-Mail	Lisa.rogers@aalberts-hfc.com
Web-link	https://flamco.aalberts-hfc.com/uk-en/page/support/flamco-academy#cpd

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes and remote via Microsoft Teams
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	As and when required by recipient.
Minimum Number of Attendees Needed	No minimum needed

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Dynamic Balancing Solution	
Nature of Training	Theory	Essential theories of hydronic balancing for system efficiency. Existing balancing methods, common misconceptions, new solutions and engineering best practice. Starting from first principles and building to a deeper understanding of the real issues surrounding HVAC Hydraulics.
	Practical with working test rigs in a training facility	Overseas
	Practical on site	Yes
Other Information:		

Subject Covered (2)	Heating and Cooling Interface Units and Substations	
Nature of Training	Theory	Topics HIU and CIU types, design approach, key components and sizing (diversity, pressure rating). thermal Sub-station design and application of heat network substations. Providing high load hydraulic breaks in heat networks, options and best practice solutions.
	Practical with working test rigs in a training facility	Yes St Helens also virtual link
	Practical on site	Yes
Other Information:		
Subject Covered (3)	Sealed system expansion and pressurisation	
Nature of Training	Theory	Theory, use and application of expansion vessels and pressurisation equipment, the history behind sealed systems and the practical application of in heated and chilled systems. This will also cover spill and fill technology.
	Practical with working test rigs in a training facility	Yes St Helens also virtual link
	Practical on site	Yes
Other Information:		
Subject Covered (4)	Sealed system expansion and pressurisation (High Rise Buildings)	
Nature of Training	Theory	Emphasis on the application of equipment on taller buildings and the effect of static height and max working pressures. This is looks at more in depth of spill and fill technology.
	Practical with working test rigs in a training facility	Yes St Helens also virtual link
	Practical on site	Yes
Other Information:		

SECTION 1 - ORGANISATION

Name of organisation	Sycous
Brief description of organisation's main activities in DH field:	Sycous are experts in supporting energy network operators with open protocol metering hardware, software and services. Sycous has industry leading knowledge and expertise in open protocol metering and data collection equipment, a skilled team of engineers for installation and maintenance, and an unrivalled back-office team for client and consumer support. Sycous are also the developers of the UK's first cloud based, remote data collection administration software for use in the district heating industry.
Contact Name	Luke Chambers, John Williams, Martyn Farrelly
Phone Number	01133 604776
E-Mail	info@sycous.com
Web-link	sycous.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Online / At Customers Facility
Cost to Attendee	Bespoke training varies from course to course. Please contact our team for specific enquiries.
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	Bespoke training varies from course to course. Please contact our team for specific enquiries.

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Utility Metering - Selection, Installation and Commissioning	
Nature of Training	Theory	Yes - Understanding how meters work
	Practical with working test rigs in a training facility	Yes - Installation and commissioning
	Practical on site	Yes
Other Information:		
Subject Covered (2)	Automatic Meter Reading (AMR) communication's including MBus, Wireless MBus, Pulse, LoRaWAN	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:		

Subject Covered (3)	PAYG Solutions	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:		
Subject Covered (4)	Billing in-line with Metering and Billing Regulations (New 2020 Regulations)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

SECTION 1 - ORGANISATION

Name of organisation	Aquatherm
Brief description of organisation's main activities in DH field:	Aquatherm's thermally insulated polypropylene pipe systems provide a safe and efficient method of transporting media whilst minimising heat loss or gain thus offering an energy and fuel-efficient solution for a wide range of industrial, commercial and domestic applications. Aquatherm is available in sizes from 32mm to 630mm and has many benefits over traditional systems.
Contact Name	Neil Burtenshaw
Phone Number	01444 250500
E-Mail	Neil.Burtenshaw@aquatherm-uk.com
Web-link	www.aquatherm-uk.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes - Training Facility and Practical Area
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Training delivered at our own facility or on site. Power supply required for on site training.
Cost to Attendee	Training is free at our facility in Gillingham, Kent. There is a fee for on site training (price upon request).
Frequency of training or is it Adhoc?	CPDs - Adhoc. Aquatherm training - Set days.
Minimum Number of Attendees Needed	No minimum/maximum for CPDs. AQ training at our facility is a minimum of three attendees, no minimum/maximum for on site training.

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Aquatherm Installer Training	
Nature of Training	Theory	Yes - 3.5 hours
	Practical with working test rigs in a training facility	Yes - 3.5 hours
	Practical on site	Yes
Other Information:	Training is CPD certified, each participant gains 7 CPD hours. Training can be tailored for individual on site needs	
Subject Covered (2)	Aquatherm CPD - Plastic Piping Systems in the Building Services Industry	
Nature of Training	Theory	No
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	CPD seminar delivering an input on the different plastic piping systems used within the building industry. CPD can be delivered on site, within client offices, or via a video meeting (MS Teams, Zoom, etc.). All participants receive one CPD hour. Further info - https://cpduk.co.uk/directory/profile/aquatherm-u-k-ltd	

SECTION 1 - ORGANISATION

Name of organisation	Thermal Integration Ltd
Brief description of organisation's main activities in DH field:	HIU Manufacturer and supplier, heat network Monitoring / Data collection, heat network management systems, plantroom controls. Technical advice on heat network design, sizing, installation and commissioning.
Contact Name	Scott Smith
Phone Number	03452 411441
E-Mail	training@thermalintegration.com
Web-link	www.thermalintegration.com

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Theory training can be carried out anywhere, practical training requires more resources, depending on the level of training.
Cost to Attendee	
Frequency of training or is it Adhoc?	
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Explaining Modern HIU Technology - HIU's and Storage	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes (if required)
	Practical on site	No
Other Information:	CIBSE accredited CPD.	
Subject Covered (2)	District Heating Awareness	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	The course is designed to give an overview of all aspects of district heating systems: <ul style="list-style-type: none"> • DHW System types • Central Heating System types • HIU Functions • Components used in HIUs 	<ul style="list-style-type: none"> • Circulatory Systems • Sizing • Heat Generation • Heat Losses • System Quality • Monitoring and Metering • Advanced Strategies

Subject Covered (3)	District Heating installation, Commissioning and Maintenance (2 Day)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	<p>The course is designed to give a detailed insight into all aspects of district heating systems</p> <p>Day 1 - Theory</p> <ul style="list-style-type: none"> DHW System types Central Heating System types HIU Functions and Test Standards 	<ul style="list-style-type: none"> Network Efficiency Introduction to IoT Monitoring and Metering <p>Day 2 - Practical</p> <ul style="list-style-type: none"> Components used in HIUs Circulatory Systems HIU Commissioning Fault Finding System Quality
Subject Covered (4)	HIU Management and Plantroom Controls	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	The course demonstrates the importance of HIU/Plantroom Management and control, including the use of Advanced control strategies, metering and monitoring.	
Subject Covered (5)	Renewable Heat Courses:	<ul style="list-style-type: none"> BPEC Energy Efficiency (Part L) Certificate MCZ/Red Fault Finding & Diagnostics Course MCZ/RED Commissioning and Installation Course MCZ/Red Product Awareness Course NICEIC Health & Safety Certificate Specflue Principles Awareness Training Course CPD on Multi-Fuel Hot Water and Central Heating Systems
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	Courses offered by our parent company Specflue	

Subject Covered (6)	HETAS Training Solid Fuel Courses: <ul style="list-style-type: none"> • (H001-H002) HETAS HTU02 Awareness & Retail Course • (H003) HETAS HTU03DS Dry Installer Defined Scope • (H003) HETAS HTU03R Dry Appliance Installer Refresher • (H004) HETAS HTU04 Wet Installer Course • (H005DE) HETAS HTU05 Biomass Installer • (H006) HETAS HTU06 Twin Wall Flues Course • Isokern Training (HETAS Recognised) 	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information	Courses offered by our parent company Specflue	

COMSOF

An IQGeo business

SECTION 1 - ORGANISATION

Name of organisation	Comsof Heat
Brief description of organisation's main activities in DH field:	Comsof Heat allows you to easily design multiple district heating network plans and feasibility studies with network design automation software.
Contact Name	Kurt Marlein
Phone Number	+32 473 53 83 45
E-Mail	kurt.marlein@comsof.com
Web-link	https://comsof.com/heat/blog/comsof-heat-open-training/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Virtual
Client Site (meaning a site with relevant plant installed)	
Client Office	
Other (Describe)	
Cost to Attendee	€200.00
Frequency of training or is it Adhoc?	Usually twice a year, around April and September
Minimum Number of Attendees Needed	

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Comsof Heat Open Training	
Nature of Training	Online Theory via Webinar: <ul style="list-style-type: none"> • Overview of key software benefits and features • Overview of reference projects and use cases • General network design methodology • First district heating network design with Comsof Heat • Practical info for the exercises • In-depth configuration of design rules 	<ul style="list-style-type: none"> • Design strategies • Transport & distribution network design • Practical info for the exercises • Design networks with heat source constraints • Investment analysis • Roll out planning • Cloud calculations • Practical info for the exercises
	Practical with working test rigs in a training facility	Practical exercises with Comsof Heat software
	Practical on site	
Other Information:		

Do you want to learn more about the capabilities of Comsof Heat and how it can help accelerate the planning of district heating networks?

Join IQGeo's upcoming Comsof Heat Open Training event on November 23rd and 24th in Cambridge. This specialized event will deliver an extensive overview of the significant advantages and features offered by Comsof Heat, as well as technical training to get you started on creating a district heating network using the software.

Find out more > <https://www.eventbrite.com/e/comsof-heat-open-training-tickets-715174103997?aff=external>



SECTION 1 - ORGANISATION

Name of organisation	Watkins
Brief description of organisation's main activities in DH field:	MEP
Contact Name	Roy Lovelock
Phone Number	01843852277
E-Mail	enquiries@watkins-academy.co.uk
Web-link	WWW.WATKINS-ACADEMY.CO.UK

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes - Watkins Academy
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Watkins Houses. Ramsgate. Kent.
Other (Describe)	
Cost to Attendee	Variable
Frequency of training or is it Adhoc?	Monthly
Minimum Number of Attendees Needed	12

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	SMSTS - CITB	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	5 or 2 day refresher CITB course	
Subject Covered (2)	SSSTS - CITB	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	2 day CITB course	

Subject Covered (3)	Emergency & First Aid Work	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	1 or 2 day Ofqual Certificated	
Subject Covered (4)	IOSH Managing Safely	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	Yes
	Practical on site	No
Other Information:	3 day IOSH accredited course	



SECTION 1 - ORGANISATION

Name of organisation	Belimo
Brief description of organisation's main activities in DH field:	As a global market leader, Belimo develops innovative solutions for controlling heating, ventilation and air-conditioning systems. Actuators, valves and sensors form our core business.
Contact Name	Andy Bartlett
Phone Number	01932 260460
E-Mail	sales@belimo.co.uk
Web-link	www.belimo.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	
Cost to Attendee	No
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	6

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Sensors in HVAC Systems (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:		
Subject Covered (2)	The Evolution of Pressure Independent Control Valves (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:		
Subject Covered (3)	Fire Dampers in HVAC Systems (CIBSE approved CPD)	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	Yes
	Practical on site	Yes
Other Information:		



SECTION 1 - ORGANISATION

Name of organisation	SABROE UK
Brief description of organisation's main activities in DH field:	Manufacturer of Industrial Natural refrigerant Heatpumps working through a trusted contractor base.
Contact Name	Brian Gaughan
Phone Number	07815 597214
E-Mail	brian.gaughan@jci.com
Web-link	https://cpduk.co.uk/courses/sabroe-uk-natural-refrigerant-heatpumps-and-district-heating

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Webinar CPD Training
Client Site (meaning a site with relevant plant installed)	Course shows case studies of installed equipment
Client Office	SABROE UK based in Sutton Coldfield
Other (Describe)	This is a webinar, with sufficient interest it could be a seminar.
Cost to Attendee	The course is free.
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	We normally like 5 or over but some smaller groups could be put together if necessary.

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Natural Refrigerant Heatpumps and District Heating	
Nature of Training	Theory	This presentation walks you through why you should consider natural refrigerants; why heatpumps are set to take off in the UK due to the decarbonisation of heating networks. We will also look at efficiency; what technology to use; what heat source to use and how to apply the technology, all backed up by case studies.
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:	1 hour plus questions.	



SECTION 1 - ORGANISATION

Name of organisation	Enwa Water Technology UK
Brief description of organisation's main activities in DH field:	Manufacturer of Industrial Natural refrigerant Heatpumps working through a trusted contractor base.
Contact Name	Marcel Sousa
Phone Number	01530 830354
E-Mail	uksales@enwa.com
Web-link	www.enwa.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	No
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Webinar
Cost to Attendee	There is no cost for this, our CPD is free of charge.
Frequency of training or is it Adhoc?	CPD's are adhoc. These can be held either in person at the company office, or via teams/zooms as a webinar.
Minimum Number of Attendees Needed	There is no minimum number of attendees; however, if we are travelling to an office, it would be ideal to have as many relevant attendees as possible. If a CPD is presented via webinar, this is not an issue as there will be no travelling or food costs. Please note - when we visit a company's office to present a CPD, we usually hold the presentation over a lunch break and provide lunch for the attendees at our own cost.

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Filtration and water treatment in closed loop heating and cooling systems	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	Yes, where Enwa's own equipment is installed
Other Information:	This training can also be offered in the form of a CPD Seminar or Webinar.	
Subject Covered (2)	Disinfection and Bacteria Control In Water System	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	No
	Practical on site	No
Other Information:	This is an introductory CPD Webinar/Seminar to introduce	

SECTION 1 - ORGANISATION

Name of organisation	Data Energy Management Services Ltd
Brief description of organisation's main activities in DH field:	Data Energy is a specialist metering and billing partner providing support to Managing Agents aiding compliance with the Heat Network (Metering and Billing) Regulations. Services include: <ul style="list-style-type: none"> • Metering and billing • Data collection and reporting • Technical support and onsite engineering • Energy Forensics and low carbon strategies • Energy brokerage
Contact Name	Elizabeth Lee
Phone Number	01279 818192
E-Mail	Elizabeth.lee@dataenergy.co.uk
Web-link	Dataenergy.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	No
Client Office	Yes
Other (Describe)	
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	Minimum 5 attendees

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	The Heat Network Regulations and your responsibilities	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (2)	Achieving Net Zero: The role of heat networks in the residential managed sector	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (3)	Heat Networks: The importance of effective maintenance	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		



SECTION 1 - ORGANISATION

Name of organisation	Danfoss
Brief description of organisation's main activities in DH field:	For nearly 80 years, Danfoss has pushed the boundaries of what's possible with climate and energy technologies. Now, more than ever, we are working with national and local governments worldwide to engineer district heating and cooling systems that not only deliver superior performance and value today, but also create a sustainable platform for tomorrow. As cities continue to grow and increasingly rely on multiple energy sources, district heating plants are becoming more complex. Preventing downtime is critical, and Danfoss has the solutions that can keep the plants up and running, as well as help them leverage renewable energy sources and become more sustainable.
Contact Name	Soulla Paphitis
Phone Number	07702 103250
E-Mail	Soulla.paphitis@danfoss.com
Web-link	https://www.danfoss.com/en/markets/district-energy/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes
Client Site (meaning a site with relevant plant installed)	N/A
Client Office	Danfoss Ltd; Building 4, Uxbridge Business Park, Sanderson Road, UB8 1DH, Uxbridge United Kingdom
Other (Describe)	
Cost to Attendee	No cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	No

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Instantaneous or Semi-Instantaneous methodology	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (2)	Robust hot water supply whilst satisfying variable peak load demands	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

Subject Covered (3)	Comfort & Anti legionella legislative protection	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (4)	CP1 2020 aligned technology ensuring reduced primary return temperatures	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (5)	The effect poor performance has on fuel poverty and the move to net zero	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (6)	How data can be used to understand and improve comfort and building performance	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (7)	Metering and billing legislation requirements for network operators	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (8)	Thermal balancing of the network & Lowering bills and reducing carbon emissions	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (9)	Key themes contained within the update of CP1 2020	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		

Subject Covered (10)	How to design a building thermal substation to achieve a low return temperature	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (11)	CP1 commissioning requirements for building thermal substations	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		
Subject Covered (12)	Performance feedback for clients and ongoing monitoring of the building connection	
Nature of Training	Theory	Yes
	Practical with working test rigs in a training facility	N/A
	Practical on site	N/A
Other Information:		



SECTION 1 - ORGANISATION

Name of organisation	Kingspan Technical Insulation
Brief description of organisation's main activities in DH field:	Kingspan are a leading manufacturer of premium performance pipe insulation for HVAC and building services applications.
Contact Name	Claire Rigg
Phone Number	07880 092977
E-Mail	Claire.rigg@kingspan.com
Web-link	www.kingspantechanicalinsulation.co.uk

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	Yes - training area and factory tours available
Client Site (meaning a site with relevant plant installed)	Yes
Client Office	Yes
Other (Describe)	Training is free either at our site in Glossop or at clients facilities, via CPD arranged on dates to suit.
Cost to Attendee	No cost. If the CPD is over lunch time, lunch will be provided/paid for
Frequency of training or is it Adhoc?	Adhoc to suit client
Minimum Number of Attendees Needed	No

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Heat Networks - Secondary Insulation Systems	
Nature of Training	Theory	1 hour
	Practical with working test rigs in a training facility	Can be arranged at our Glossop site
	Practical on site	Not currently
Other Information:	<p>This CIBSE Approved CPD seminar focuses on Heat Networks and the CP1 (2020) Code of Practice and explains how it impacts on the thermal Insulation requirements. It considers the calculation methodology, the outputs required, at what stage this needs to be done and the evidence which needs to be produced and stored within the accompanying document.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Gain an understanding of heat networks • Learn more about the Code of Practice and what it is trying to achieve • Learn how to use the Code of Practice effectively • Gain an understanding of the full insulation system to effectively limit heat loss 	

SECTION 1 - ORGANISATION

Name of organisation	BWT
Brief description of organisation's main activities in DH field:	Water Treatment
Contact Name	Chris Hobbs
Phone Number	07834 097099
E-Mail	chrishobbs@bwt-uk.co.uk
Web-link	https://www.bwt.com/en-gb/products-for-the-home/water-for-your-home/heating-protection/

SECTION 2 - TRAINING LOCATION + OTHER INFORMATION

Training Organisation's own facility	High Wycombe, HP12 3SU or Teams
Client Site (meaning a site with relevant plant installed)	We can visit customer sites, equipment is mobile
Client Office	
Other (Describe)	
Cost to Attendee	No Cost
Frequency of training or is it Adhoc?	Adhoc
Minimum Number of Attendees Needed	No minimum needed

SECTION 3 - TRAINING CONTENT

Subject Covered (1)	Treatment of Heat Transfer Fluid	
Nature of Training	Theory	CPD - Closed Loop Heating Protection Following VDI2035
	Practical with working test rigs in a training facility	
	Practical on site	
Other Information:		
Subject Covered (2)	Onsite Practical use of BWT Equipment	
Nature of Training	Theory	
	Practical with working test rigs in a training facility	At Customer site
	Practical on site	
Other Information:	Onsite support and training of equipment in use at a customers site.	