



THE SMART CITY ALLIANCE

Eco-governance in Practice



INVITATION

NORDIC HEAT MASTER CLASSES

DRIVING DOWN COSTS OF HEAT NETWORKS

REDUCING COSTS AND INCREASING THE COMMERCIAL VALUE

PROPOSITION IN DISTRICT HEATING

MILANO

28 NOVEMBER 2018 – 09.30 – 16.00

YOU ARE INVITED to a Nordic Heat Master Class in Milano, focusing on the opportunities to reduce costs for projecting, procuring, installing and operating heat networks. Presentations will highlight some new innovative technologies, digital solutions and practices offering opportunities of reducing the total life cycle costs while strengthening the value proposition vs. customers of heat. We will also benchmark key performance indicators and methods applied in Italy with those in other parts of Europe. The master class is organised in cooperation with AIRU, the Italian District Heating Association.

THE OBJECTIVE is to present readily technologies and practices and criteria for what to prioritise. Furthermore to highlight how to facilitate procurement and implementation through standardization and cooperation.

FOCUS – The master class will involve presentations to the whole group as well as more targeted breakout sessions in smaller teams. We will also bring in external speakers addressing the topics of driving standardization and up-grading the value proposition, e.g. by introducing new digital technologies. Focus areas are:

- Distribution system – design, installation, leak detection and operations
- Connect, Control & Metering systems – design, installation and operations
- Digital Technologies – new opportunities of improving performance
- Standardisation & Digitalisation – reliability, sustainability and life cycle costs

REGISTRATION & QUESTIONS

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ORGANIZED BY



IN COOPERATION WITH



AGENDA

- 09.00** **REGISTRATION & COFFEE**
- 09.30** **INTRODUCTION**
- Background, Scope and Objectives
 - Identifying relevant technologies – potential impact on costs/ revenues
 - Criteria for prioritising – future proofing and references
 - Implementation – opportunities for cooperation
 - Facilitating procurement – standardization and bundled system solutions
- THE HEATING SECTOR IN ITALY**
- Facts & Stakeholders
 - Objectives, focus and plans
 - KPIs and overall design – benchmarking vs. Nordic region
- DISTRIBUTION SYSTEMS**
- New innovations – technologies, services & practices
 - Pipe systems – standardisation and costs
 - Leak detection – extending life time of systems
 - Optimising Operations – new digital solutions
- HEAT INTERFACE UNITS**
- New innovations – technologies, services & practices
 - HIU systems – standardisation and costs
 - Improving system efficiency – new digital solutions
- SMART METERING**
- New innovations – technologies, services & practices
 - From components towards Metering as a Service
 - IT security
- 15.30** **CONCLUSIONS & NEXT STEP**
- Key Account Strategies
 - Bundled solutions
 - Digital technologies
 - Ability to offer local services in Italy

VENUE

The event will take place in Milano, hosted by AIRU. Further details will be provided in connection to registration.

FEE

Participation is free of charge for energy operators in Italy.
€500 (excl. VAT) for other stakeholders - max 2 participants per company

BACKGROUND

NORDIC HEAT is an independent peer-to-peer training and advisory service aiming to support the development of District Energy, Energy Efficiency, Energy from Waste (EfW), Waste Management, and other energy related Smart City infrastructure in Europe and beyond.

The activity was founded in 2014 by a group of municipality owned energy operators in Sweden, all with more than 50 years of experience in installing and operating profitable district energy schemes in a deregulated energy market.

MISSION

- The role of Nordic Heat is to assist project teams in securing the swift implementation of high performing, reliable and competitive district energy and waste management solutions while minimising investment levels, operational costs and risks. A wider objective is to optimising the commercial, social, environmental and political benefits of investments in sustainable energy.
- Also to actively facilitate the efficient exchange of competences, experiences and new innovative technologies and practices, thereby strengthening the overall competitiveness of the sector.
- Nordic Heat also aims to help energy operators secure access to the best available professional and technical staff while reducing the cost of man-power.

SERVICES

ACADEMY

TRAINING SERVICES IN COOPERATION
WITH LOCAL COLLEGES

MASTER CLASSES

STUDY VISITS/ WORKSHOPS

VOCATIONAL TRAINING

EXCHANGE PROGRAMMES

>3000 participants in 12 markets since 2014

ADVISORY

PEER-TO-PEER CRITICAL FRIEND SERVICES
AND EXCHANGE OF BEST PRACTICE

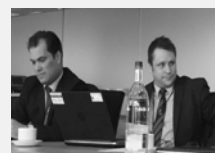
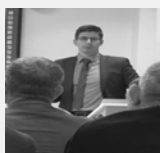
CRITICAL FRIEND REVIEWS

PROCUREMENT

SUPPORT & PLANNING

REINFORCEMENTS

Active assignments across Europe and beyond



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