COOL DH – a pioneering project for district heating solutions

An Introduction, by Gabriele Pesce, Euroheat & Power | DHC+

“The project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement nº 767796-COOL DH- H2020-EE-2016-2017/H2020-EE-2017-RA-IA”
COOL DH is a Danish/Swedish collaboration

- A Horizon 2020 project with 11 partners
- 2 demonstration sites: Høje-Taastrup and Lund
- Budget: 5.3 M€
- Project period from Oct. 2017-Sept. 2021

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Why is COOL DH cool?

Because COOL DH is a project that aims to find ways to:

- **Utilise low grade heat sources**, cooling and surplus heat for heating of energy efficient buildings (both existing and new buildings) by **optimising low temperature district heating solutions**, and we
- Integrate **renewable energy** produced locally with district heating

And because:

- We **demonstrate the full systems** with all needed components suitable for (ultra-)low temperature District Heating
- We **innovate** a catalogue of new solutions

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Lund - Brunnsköö area

Questions raised:

- How to avoid risk of legionella in DHW systems in low temperature grids
- How to optimise the design of heat pump systems for low temperature grids
- Substations in multifamily houses – how?
- Heating connected appliances – possible?
Høje-Taastrup C - Østerby area

- How to design local low temperature DH grids?
- How to integrate local renewables?
- Legislative and regulatory framework?
Thank-you for your attention!

Questions?

More info on www.cooldh.eu