

Invitation to the Webinar on “Digitalisation of District Heating”

Digital technologies are believed to make the whole energy system smarter, more efficient, and reliable and to boost the efficiency and the integration of more renewables into the system. In the future, digital applications might enable district energy systems to fully optimise their plant and network operation while empowering the end consumer. On the other hand, challenges need to be tackled, such as data security and privacy as well as questions about data ownership.

Aim of the Webinar is

- to set-up the framework for digitalization in district heating
- to present activities and challenges from the industry perspective,
- to get an impression of current commercial solutions,
- to see results of the latest R&D projects

The webinar is directed towards:

- District heating network operators and energy suppliers
- Digitalization solution providers (soft- and hardware, consultancies)
- Policy makers, energy authorities and associations
- R&D institutes and universities

Date: Thursday, 2nd April 2020, from 10:00 to 14.30 (separated in two blocks)

Attendees may attend free of charge; a link for the online participation will be send out after registration

Registration is required by 1. April 2020 (end of working day) via this [LINK](#).

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This Webinar is held in the framework of the international cooperation program IEA DHC Annex TS4 “Digitalisation of District Heating and Cooling”. More information at <https://www.iea-dhc.org/the-research/annexes/2018-2024-annex-ts4/>

Agenda

Block I

| | |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:30 | <i>Testing of technical connections</i> |
| 10:00 | Introduction into the Webinar <i>(Ralf-Roman Schmidt, AIT)</i> |
| | Welcome and introduction into the upcoming era net call on digitalization <i>(Michael Hübner, BMK)</i> |
| | Introduction into the IEA DHC Annex TS4 “Optimised Operation and Maintenance of DHC Systems via Digital Process Management” <i>(Dietrich Schmidt, Fraunhofer IEE)</i> |
| | Use of heat cost allocator meters to improve operation of heating systems in buildings <i>(Svend Svendsen, Technical University of Denmark)</i> |
| | Optimization of District Heating Networks with Digital Methods and Twins <i>(Benedikt Leitner, AIT)</i> |
| | Q&A to all presenters |
| 11:30 | <i>End of Block I</i> |

Block II

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|-------|-------------------------------------------------------------------------------------------------------------------------|
| 12:30 | <i>Testing of technical connections</i> |
| 13:00 | Introduction into the Webinar <i>(Ralf-Roman Schmidt, AIT)</i> |
| | Sam District Energy – Energy savings with digital solution <i>(Martin Brüssau, SAMSON AKTIENGESELLSCHAFT)</i> |
| | Danfoss digitalization in future district energy systems <i>(Sandro Terzic, Danfoss Gesellschaft m.b.H.)</i> |
| | Digitalization use cases and implementation barriers <i>(Rosegger Wolfgang, Schneid GmbH)</i> |
| | Q&A to all presenters |
| 13:45 | Open discussion on opportunities and challenges for Digitalization in District Heating |
| 14:30 | <i>End of Block II</i> |
