

Digital Seminar – Karlsruhe, Ettlingen, Bruchsal and Bretten, Germany

Monday 23rd November 14.00 – 17:00

14:00 – 14:10 Welcome / Lars Hummellose, DBDH

14:10 – 14:20 Short intro to the participating Danish companies

Introduction

14:20 – 14:50 District Heating in Karlsruhe, Ettlingen, Bruchsal and Bretten including general challenges

- Birgit Schwegle, CEO, Energi Agency, Kreis Karlsruhe (5 min)
- Armin Baumgärtner, CEO, Stadtwerke Bruchsal (5 min)
- Stefan Kleck, CEO, Stadtwerke Bretten (5 min)
- Dr. Stefan Blüm, Stadtwerke Ettlingen (5 min)

Expert Panel Answers:

14:50 – 15:15 Theme 1: Strategic District Heating planning (kommunale Wärmeplanung)

- Vision from several small to one spacious heating grid
- Arguments for crucial stakeholders to expand heating grids

1. Intro to the topic / Dipl. Ing. Armin Holdschick (7 min)
2. Jimmi Jørgensen, Nyborg Forsyning (Utility) (7 min)
3. Thomas Østergaard, COWI (7 min)
4. Theme 1 Q&A (4 min)

Q: here in Baden-Wuerttemberg (one of the German federal states) there is a new law obliging all communities over 20.000 inhabitants to develop a “Communal Heat Plan” (not necessarily DH). Is there a similar obligation in Denmark as well?

If so, can you share a few experiences or, otherwise, a few thoughts of what is important in developing such strategic heating concepts for communities?

15:15 – 15:55 Theme 2: Low-Temperature-Heating-Grids

- Technical importance
- Crucial factors to successfully develop new / change existing grids
- Experiences from Denmark

1. Intro to the topic / Dipl. Ing. Armin Holdschick (7 min)
2. Jimmi Jørgensen, Nyborg Forsyning (Utility) (7 min)
3. Thomas Østergaard, COWI (7 min)
4. Marek Brand, Danfoss (7 min)
5. Daniel Worth-Lindorfer, Logstor (7 min)
6. **Theme 2 Q&A (5 min)**

Q: are there experiences with transforming existing “standard” to low temperature grids?

What is necessary on the customer side (substations), in the network and in heating plants?

How can you handle older house installation with higher temperature demands? Are there other reasonable possibilities besides heat pumps?

15:55 – 16:40 Theme 3: Digitization of District Heating-Grids

- Meaning of Data evaluation to optimize the daily operation
- Opportunities and Challenges

1. Intro to the topic / Stefan Blüm, Stadtwerke Ettlingen (7 min)
2. Jimmi Jørgensen, Nyborg Forsyning (Utility) (7 min)
3. Kyriaki Foteinaki, ENFOR (7 min)
4. Frank Grundholm, ABB (7 min)
5. Leif Jacobsen, Danfoss (7 min)
6. Ronny Peschke, Kamstrup (5 min)
7. Theme 3 Q&A (5 min)

Q: what are the recent developments in digitalizing DH in Denmark

e.g. in remote meter reading and providing consumption data to the customer (in accordance with the new European Energy Efficiency Directive)?

What are the advantages? Experiences?

8. Energy and Climate Academy / Torben Kirkegaard

16:40 – 16:45 Summary

16:45 – 17:00 Open discussion

Participants

Birgit Schwelge, CEO, Umwelt- und EnergieAgentur Kreis Karlsruhe GmbH

Dipl. Ing. Armin Holdschick, Projektleitung, Umwelt- und EnergieAgentur Kreis Karlsruhe GmbH

Armin Baumgärtner, CEO, Stadtwerke Bruchsal

Stefan Kleck, CEO, Stadtwerke Bretten

Dr. Stefan Blüm, Stadtwerke Ettlingen