

# 2021 Virtual District Heating Visit to Denmark

## June 22<sup>nd</sup> and 24<sup>th</sup>

**Tuesday, June 22<sup>nd</sup> Day 1**
**12:00-16:30 (UK time)**

Time	Content
12.00	Log in to the delegation trip
12.10	<b>Welcome and introduction to program</b> Morten
12.15	<b>Get in contact – random breakouts sessions</b>
12.45	<b>Site visit to Ålborg DH Company</b> Hosts: Jesper Møller-Larsen <ul style="list-style-type: none"> <li>• Conversion to no fossil</li> <li>• Peak load management</li> <li>• Surplus heat from industry</li> <li>• Interaction with customers in new areas</li> </ul>
	Boosting the Green Transition - Obtain more Energy by Combining Green (10 min) Jes Donneborg, Aalborg CSP
	New Projects – transformation to sustainable energy (25 min) Jesper Møller Larsen, Ålborg <ul style="list-style-type: none"> <li>• Heat pumps – electric boilers</li> <li>• Storage – large scale</li> <li>• Geo thermal?</li> </ul>
	How to optimize DH network by using decentralized heat pumps Charles W. Hansen, Grundfos
	Q&A (15 min)
14.20	Break
14.35	<b>Workshop session in breakout rooms</b> (One UK and one Danish presenter in each workshops. 3 x 25 min) <ol style="list-style-type: none"> <li>1. Optimisation of heat supply including better peak demand management TBC, Ramboll</li> <li>2. Digitalisation – drive down cost and increase revenue</li> <li>3. Billing, end users, economy</li> <li>4. Hydrogen -</li> </ol>
15.50	<b>Report back from the breakout rooms</b>
16.15	<b>End of program</b>

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## June 22<sup>nd</sup> and 24<sup>th</sup>

**Thursday, June 24<sup>th</sup> Day 2** **12:00-16:30 (UK time)**

Time	Content
12:00	Log in to delegation trip
12:10	<b>Welcome and Introduction to the program</b> Morten
12.15	<b>Mingle and network – random break out sessions</b>
12.35	<b>Site visit to Esbjerg DH Company</b> Host: Claus A. Nielsen <ul style="list-style-type: none"> <li>• Intro to Din Forsyning</li> <li>• New large scale heat pumps</li> <li>• Zoning and low temperature</li> <li>• Development into new areas</li> </ul>
	Modelling of district heating plants for investment analysis and daily operations – Case Hvide Sande (10 min) Christian Ingerslev Sørensen, EMD
	Zoning of heating grids with iGRID – Case from Esbjerg Kim Hansen, Grundfos
	Pipe solutions (10 min) Chris Hill, Logstor
	Capacity building is essential for quality (10 min) Torben Kirkegaard, Energy and Climate Academy
	Q&A (10 min)
14.00	Break
14.15	<b>Site visit to Viborg DH Company</b> Host: Morten Abildgaard and Tom Diget <ul style="list-style-type: none"> <li>• The greater picture</li> <li>• Expansion into new areas</li> <li>• The rental unit (video)</li> <li>• Integration of Datacenter and other renewables</li> <li>• Customer interaction and digitalisation - Billing and motivational tariffs</li> </ul>
	Forecasting and optimization for DH systems (10 min) Kyriaki Foteinaki, ENFOR
	Minimize energy loss in the distribution network – case Hammel (10 min) Lars Trol Dahl, Danfoss
	Fully integrated sustainable solutions (10 min) Frank Grundholm, ABB
	Q&A (10 min)
15.45	<b>The big interactive session – pre-booked meetings</b> <b>Maybe extra session</b>
16.30	<b>End of program</b>