

# SIG - Geneve

## Visit to Copenhagen

Denmark, February 1<sup>st</sup> - 2<sup>nd</sup> 2018

**Thursday February 1<sup>st</sup>**

TIME	PROGRAMME	PARTICIPANTS / VENUE
08.15	Welcome to Gentofte DH Company	Venue: Gentofte DH
08.30	<b>Introduction to DH in Denmark</b>  History, background and future position  Business model of District Heating & Cooling in Denmark  How the government ensure that all DH&C companies have similar accounting model?	<b>Participants:</b> Lars Hummelose, DBDH Johan Sølvhøj Heinesen, Gentofte Thomas Engell, Gentofte
	<b>Workshop with Gentofte DH company</b>  Workshop covering the following areas: <ul style="list-style-type: none"> <li>- Quality control of the network pipe to have a long lifespan for the owner</li> <li>- How to control and decrease return temperature of DH</li> <li>- Thanks to a lower return temperature, which new applications are possible</li> <li>- Solutions used for leakage detection</li> <li>- Ensuring a performant leak detection system</li> <li>- Hydraulic balancing on district heating network</li> <li>- Conversion from gas to DH – roll out</li> </ul> <b>Site visits around Gentofte.</b>	<b>Participants:</b> As above
	Transport to DBDH	
	<b>CTR / Frederiksberg Control room</b> Short introduction to CTR – the Copenhagen Transmission Company	TBC Venue: DBDH
	Lunch	
13.30	<b>Innovative - Tech - Seminar / Workshop</b> Introduction to latest innovative solution  Presentation from SIG: “Status and future plans”  Short presentations from DK companies.  Group discussion, Q&A, networking	<b>Participants:</b> Danish DH industrial companies, consulting engineers and utilities.  Venue: DBDH
17.00	A pint and break before dinner	Everyone
19:00	Dinner	TBA

**Friday 3rd November**

TIME	PROGRAMME	PARTICIPANTS / VENUE
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08:30	<b>Innovative DH systems: Integrated in existing and new networks</b> Guided DH tour of Energy Lab Nordhavn	TBC
	<b>Site visits</b> Theme to be suggested by DBDH members	
	<b>Workshop</b> Theme to be suggested by DBDH members	
	<b>Workshop: Metering, billing, optimization</b> End-user satisfaction/communication? Use of new technology like IoT and others?	
16.00	<b>End of program.</b>	

TIME	SUGGESTED SITE VISITS	
	Site visits <ul style="list-style-type: none"> <li>- Prefabricated substations working</li> <li>- Network chamber</li> <li>- Leak detection system running</li> <li>- Construction site of new pipe</li> <li>- Network distribution: pumping</li> <li>- Expert system (decision support system)</li> <li>- Hydraulic balancing system ?</li> </ul>	