



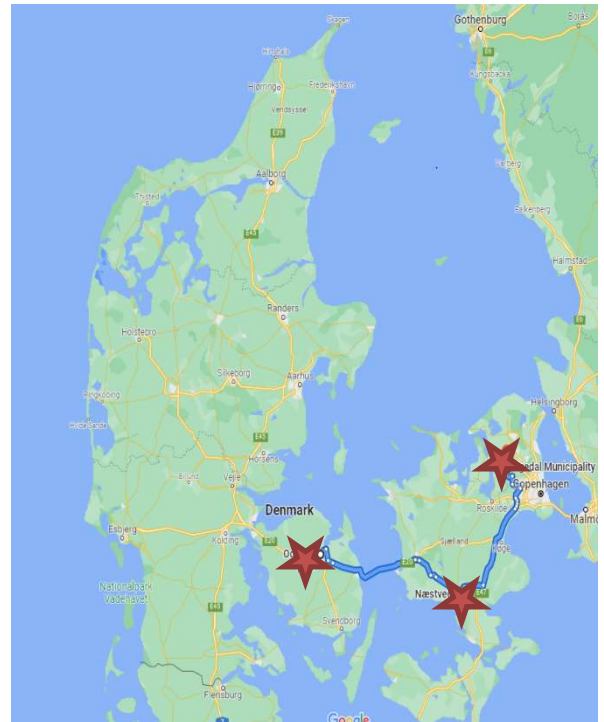
Dutch Virtual District Heating Visit to Denmark - December 7th from 09.30 to 15.30 hrs.

Dear Participants

It is a great pleasure to welcome you to the "2021 Virtual Delegation Visit to Denmark".

This visit will be virtual! Nevertheless, I hope you will all be active partners in making this a success with a lot of interaction, learning and discussions.

With help from the organisers, speakers and hosts we have tried hard to create a program that will include presentations, videos, discussions, and workshops. We are many highly dedicated specialists in the same virtual bus – that should be the perfect place for a lot of interaction.



In this leaflet you find the program. When you have signed up for the event (see details below), we will send you your personal bus ticket, so you are ready to board the virtual bus. See you in Denmark December 7th!

Best regards,
Jarl Frijs-Madsen
Ambassador of Denmark

For registration please contact Jacob Rothaus Stendys by November 29th on jacste@um.dk





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Morning program

| Time | Content |
|-------------|--|
| 09.25 | Log in to the virtual delegation trip |
| 09.30 | <p>Introduction of the tour and program and participants</p> <ul style="list-style-type: none"> Lars Hummelose, DBDH and Mikkel Vibæk Jensen, Danish Embassy, The Hague <p>Opening words (5 min)</p> <ul style="list-style-type: none"> The Danish Ambassador to the Netherlands Jarl Frijs-Madsen <p>Mission driven innovation in The Netherlands (10 min)</p> <ul style="list-style-type: none"> Robert Jan van Egmond, TKI Urban Energy <p>Q&A 5 min</p> |
| 10:00 | <p>Site Visit to Odense DH Company (Fjernvarme Fyn) (20 min)</p> <p>Host: Kim Winther</p> <ul style="list-style-type: none"> Intro to Fjernvarme Fyn Conversion to no fossil -how? Large Scale Heat Storage Utilisation of surplus heat from data centers and industries (video) Heatpumps Open Networks <p>Startmotor Program – kickstart of conversion from gas to DH (10 min)</p> <ul style="list-style-type: none"> Dorris Derksen, Aedes <p>Zoning of heating grids with iGRID – case from Esbjerg (Video/ppt) (10 min)</p> <ul style="list-style-type: none"> Bjarne Sig Halkjær and Geert-Jan Bolderen, Grundfos <p>Large Scale Thermal Heat Storage and Solar DH (video + ppt) (10 min)</p> <ul style="list-style-type: none"> Jes Donneborg, Aalborg CSP <p>Q&A (10 min)</p> |
| 11.00 | The bus drives to Næstved |



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| 11.05 | <p>Site visit to Næstved DH Company (20 min) Host: Jens Andersen</p> <ul style="list-style-type: none"> • Intro to Næstved Fjernvarme • Gas conversions – how? Challenges? • Lowering temperatures in existing networks • Digitalisation • Interaction with customers in new areas <p>Planning and calculations for conversion from gas to DH (10 min) Combinations of Termis and Comsof software in Gentofte proved valuable – in a project with a budget of more than 1,000,000 DKK</p> <ul style="list-style-type: none"> • Thomas Anders Østergaard, COWI <p>The Smart Grid and Eneco’s efforts lowering forward and return temperatures in existing networks (10 min)</p> <ul style="list-style-type: none"> • Jinny Moe Soe Let & Paolo Herdé, ENECO <p>How to collect data and how to use it? (10 min) Video + ppt</p> <ul style="list-style-type: none"> • Bjarne Sig Halskjær (presentation) & Geert Jan Bolderen, Kamstrup <p>Q&A (10 min)</p> |
| 12.05- 12.50 | Lunch break |
| 12.50 | <p>Workshop session in breakout rooms (3 x 15 min) One Dutch and one Danish presenter (3 min each) in each workshop.</p> <ol style="list-style-type: none"> 1. Optimisation of heat supply including better peak demand management. Jens Ole Hansen, Ramboll TBC, NL Utility 2. Digitalisation and its oppourtunities Todor Langochev, Danfoss (video and case from Hammel) TBC, NL Utility 3. Operation and maintenance of your DH network Water treatment for District Heating systems, Thomas Dalsgaard, Eurowater TBC, NL Utility |
| 13:35 | The bus drives to Egedal Fjernvarme |





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| 13:40 | <p>Site visit to Egedal Fjernvarme (20 min) Host: Johan Sølvhøj Heinesen</p> <ul style="list-style-type: none"> • Intro to Egedal Fjernvarme • Ownership of installations • Gas conversion – practical experience • Lowering temperatures in existing network – why and how? <p>Fully integrated sustainable solutions (10 min)</p> <ul style="list-style-type: none"> • Frank Grundholm, ABB <p>Modelling of district heating plants for investment analysis and daily operations – Case Hvide Sande (10 min)</p> <ul style="list-style-type: none"> • Christian Ingerslev Sørensen, EMD <p>Pipe solutions incl. video (10 min)</p> <ul style="list-style-type: none"> • TBC, Logstor <p>Capacity building is essential for quality (10 min) incl video</p> <ul style="list-style-type: none"> • Torben Kirkegaard, Energy and Climate Academy <p>Q&A (10 min)</p> |
| 14.50 | <p>The Future of DH in Denmark and the Netherlands</p> <p>TBC WarmtelinQ – surplus heat from Port of Rotterdam (10 min)</p> <ul style="list-style-type: none"> • Guido Custers, WarmtelinQ <p>The role of DH in a CO2 Neutral heat supply in the Netherlands (10 min)</p> <ul style="list-style-type: none"> • Nico Hoogervorst, PBL <p>The role of DH in a CO2 neutral heat supply in Denmark (10 min)</p> <ul style="list-style-type: none"> • Brian Vad Mathiesen, Aalborg University <p>Discussions moderated by Jarl Frijs-Madsen, Ambassador of Denmark to the Netherlands and Lars Hummelose, DBDH (10 min)</p> |
| 15:30 | End of bus trip |

