



GREEN TOURS

Heat Networks – Strategic Planning and Delivery

State of Green

Date: 22.05.23 - 24.05.23

Copenhagen

State of Green is a public-private partnership working to support the green transition

State of Green would like to invite you to this tailor-made study tour. During the tour, you will explore state of the art solutions, projects, hear about new policies and exchange ideas with a mix of leading Danish stakeholders in the forefront of the green transition.

Program: Heat Networks – Strategic Planning and Delivery

MONDAY - 22 MAY 2023

TIME	ACTIVITY	ADDRESS
Departure 18:40	Delegation departs for Denmark Departure from London Heathrow on Scandinavian Airlines flight SK1516 to Copenhagen	London Heathrow, Terminal 2
Arrival 21.30	Self- paid transfer to hotel via Train to Copenhagen Central Station	
	Check-in at Hotel Danmark Walking distance from Copenhagen Central Station. The reception will have a booking in your name.	Vester Voldgade 89, 1552 Copenhagen V

TUESDAY – 23 MAY 2023

TIME	ACTIVITY	ADDRESS
	Departure from Hotel Walking distance to the Danish Energy Agency	
9:30	Introduction to Heat Network Development in Denmark with national and local perspectives. Presentations by: <ul style="list-style-type: none">- State of Green, Nina Milling Riiser, Head of International Relations- Municipality of Copenhagen, Maëlle Caussarieu, Energy and Climate planner- Danish Energy Agency, Bue Rømer Tidemann, Advisor- HOFOR (Greater Copenhagen Utility), Mikkel Willum, Chief Consultant <p>The purpose of this meeting is to welcome you to Copenhagen and give an introduction to the framework for heat networks planning and development in Denmark; both from a national and a local perspective.</p> <p>The meeting is hosted at the Danish Energy Agency, which is an agency under the Ministry of Energy, Utilities and Climate responsible for energy supply and consumption in Denmark. Furthermore, the agency is engaged in a broad range of efforts to further the green transition internationally.</p>	Danish Energy Agency, Carsten Niebuhrs Gade 43 1577 Copenhagen V

Program: Heat Networks – Strategic Planning and Delivery

11.30	<p>Visit to HOFOR District Cooling – Large-scale heat pump.</p> <ul style="list-style-type: none"> - HOFOR (Greater Copenhagen Utility), Mikkel Willum, Chief Consultant <p>HOFOR is the largest utility company in Denmark, with core business areas within water supply, wastewater management, district heating, district cooling, and gas supply. One million Danes (20 % of the population) depend on the supplies. Introduction to remote metering data and data usage for grid efficiency purposes and low temperature district heating.</p> <p>In response to increasing demand for air conditioning and cooling in Copenhagen, HOFOR, has built a district cooling system, which consists of a distribution net and two cooling plants. The district cooling system uses seawater to cool the water supplied to customers, which among others include Copenhagen City Hall.</p>	<p>Tietgensgade 33, 1704 København, Danmark</p>
12.30	Transfer to Roskilde and Høje Taastrup via private coach	
13.00	<p>Tour of ARGO in Roskilde and visit to Municipality of Høje Taastrup. Presentation by:</p> <ul style="list-style-type: none"> - Municipality of Høje Taastrup, Chief Consultant, Marie-Louise Lemgart <p>Visit to ARGO waste to energy facility in Roskilde, which turns waste that cannot be reused or recycled in to electricity and heat.</p> <p>After the visit to the site, we will drive 15 minutes to Høje Taastrup City Hall for an introduction to strategic heat planning in Høje Taastrup and the role of the Municipality, overview of their heat network including various heat sources as well as a tour of their newly renovated City Hall.</p>	<p>ARGO, Håndværkervej 70, 4000 Roskilde</p> <p>City Hall, Rådhusstræde 1, 2630 Taastrup, Danmark</p>
16.00	<p>Visit to EnergyLab Nordhavn.</p> <ul style="list-style-type: none"> - Danfoss Climate Solutions, Roger William LeBlanc, Communications specialist <p>The new urban energy infrastructures at project EnergyLab Nordhavn demonstrates future energy solutions. The project utilizes Copenhagen's Nordhavn quarter as a full-scale smart city energy lab and demonstrates how electricity and heating, energy-efficient buildings and electric transport can be integrated into an intelligent, flexible and optimized energy system.</p> <p>Consisting of 12 public and private partners, the project works with local residents to develop solutions to the challenge of integrating large volumes of renewable energy into the grid to meet transportation, heating and electricity needs.</p>	<p>Helsinkigade 21, 2150 Nordhavn</p>

Program: Heat Networks – Strategic Planning and Delivery

19.00	Dinner – hosted by the Danish Energy Agency.	Bistro Royal Kongens Nytorg 26 1050 København K
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WEDNESDAY - 24 MAY 2023

TIME	ACTIVITY	ADDRESS
8.15	Departure by bus from hotel	
9:00	Visit to Greve Municipal District Heating company (Greve Fjernvarme A.m.b.a.) - Line Carlsen, CEO, Greve Fjernvarme A.m.b.a. With increasing demand for district heating over the past years, not at least due to the government's decision to replace all gas heating in homes by 2030, Greve Fjernvarme has decided to expand its distribution area. In spring 2022 the expansion plans for the entire area east from the highway in Greve and Karlslunde was published, with a potential to connect 9.000 additional homes to the district heating network by 2038. Greve Fjernvarme is non-profit and customer-owned.	Over Bølgen 4, 2670 Greve
11:00	Visit to the Municipality of Albertslund; including tour of energy renovated social housing and their low temperature heat network. - Pernille Salomonsen, Energy and development consultant, Municipality of Albertslund The municipality's climate plan covers four areas: housing, transport, business community and the local council. The Albertslund concept promotes initiatives within the area of housing. The project targets houses built during the period 1960-1980. All buildings under the project are prefabricated. Therefore, the project has aimed at delivering prefabricated solutions, which are applicable to a large number of different building types, focusing on the mass production models of the period. This method makes it possible to transfer solutions, developed under the Albertslund concept, to renovation projects all over Europe. The Albertslund concept focuses on developing methods and technical solutions, which make energy renovation cheaper than it is today and thereby financially more advantageous.	Nordmarks Allé 1, 2620 Albertslund

Program: Heat Networks – Strategic Planning and Delivery

14.30	Visit to Municipality of Frederiksberg - Henrik Bay, Head of Plan and Project, Municipality of Frederiksberg Frederiksberg Forsyning is a multi-supply utility in the heart of Copenhagen, supplying 110000 customers with district heating, water and city gas. Their newly installed heat pump system extract energy from the water (drinking water) and pass the heat onto the district heating system, thus exploiting a local energy source, and minimising the district heating system's dependency on biomass.	Stæhr Johansens Vej 38, 2000 Frederiksberg
16.00	Free time to explore Copenhagen	
Departure 20:40 Arrival 21:40	Delegation departs for London. Departure from Copenhagen Airport on Scandinavian Airlines flight: SK 1501 to London Heathrow.	

DELEGATE LIST

FIRST NAME	SURNAME	ROLE	ORGANISATION
Hannah	Jameson	Programme Director	London Councils
Rotimi	Ajilore	Head of Procurement	London Borough of Hackney
David	McIntyre	Managing Director	Sutton
Jacob Eli	Heitland	Director of Climate Action	London Borough of Newham
Rob	Bristow	Director of Planning, Transport and Sustainability	London Borough of Lambeth
Howard John	Swift	Head of Inclusive Growth	London Borough of Havering
Paul	Newton	General Manager	Barking and Dagenham
Christopher Bryan	Smith	Assistant Director for Estates and Decarbonisation	Barnet
Olga	Bennet	Director of Finance (Capital)	Enfield
Mete	Coban	Cabinet Member for Environment and Transport,	London Borough of Hackney
Timothy	Cutts	Senior Regeneration Manager	Southwark
Siddiqa	Islam	Assistant Director of Major Projects	Kingston
Elzbieta Maria	Kaleta	Net Zero Carbon Project Manager	Ealing Council
Stephen	McKinnel	Energy Manager	Royal Borough of Kensington & Chelsea
Andrew Fergus	Walker	Energy Capital Projects Manager	Islington
Zak	Bond	Principal Policy & Projects Officer	London Councils
Majida	Begum	Market Development Adviser	Department for Energy Security & Net Zero
Rasmus	Leth Traberg	Senior Adviser	Embassy of Denmark
Nina	Milling Riiser	Head of International Relations	State of Green
Dennis	Holte Skov-Albertsen	Energy Counsellor	Embassy of Denmark

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ATT: LIABILITY/PARTICIPATION AT OWN RISK. By participating in the State of Green Tour, you declare that you have the necessary level of physical fitness for the visit as well as the knowledge and abilities required to successfully take part. Furthermore, you declare for the benefit of State of Green and other organisations connected with the execution of the tour that you are taking part in the tour at your own risk and that you bear the sole responsibility under civil and criminal law for all damage to persons, property and/or assets culpably caused by yourself. Before leaving your country for the tour and visit, make sure that you have all necessary insurance coverage

CONTACT BEFORE AND DURING THE TOUR:

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Facts about Denmark

67.5% of Danish electricity is green



STATE OF GREEN

The world's first offshore wind farm was built in 1991 off the coast of Vindeby, Denmark



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In Denmark, **70% of all waste** is recycled



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Households and industry, 2019

9/10 people in Denmark own a bike



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There are more than 12,000 km of cycle routes in Denmark. Copenhagen alone has around 400 km of cycle paths



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The World Energy Council has repeatedly ranked the Danish energy system in the **global top 3**



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66% of Danish households are supplied with district heating – and 66% of the district heating is generated from renewable sources



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In Denmark, **9/10** used bottles and cans are returned and recycled



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