

Find our climate solutions at www.energymap.dk
At the profile of Ramboll
with reference to Frederiksberg Forsyning and CTR

CTR is owned by the municipalities of Copenhagen, Frederiksberg, Tårnby, Gladsaxe and Gentofte

VEKS is owned by the municipalities of Albertslund, Brøndby, Glostrup, Greve, Hvidovre, Høje-Taastrup, Ishøj, Roskilde, Rødovre, Solrød and Vallensbæk

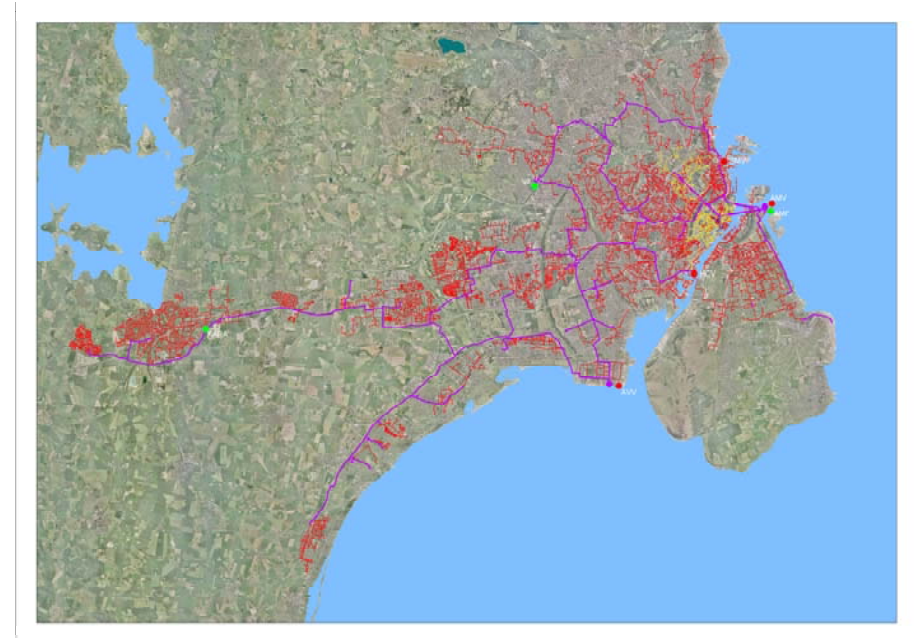
Vestforbrænding I/S, a waste management company owned by 19 municipalities in the region, supplies heat in Herlev and Ballerup municipalities

The heat production to the whole system is optimized by a heat market group formed by CTR, VEKS and Copenhagen Energy.

The 18 local authorities are responsible for the least cost heat supply planning, including zoning of district heating and natural gas in accordance with the Heat Supply Act

Ramboll has from 1970 to 2009 provided a wide range of consultancy services to most of the energy companies and authorities in the region, e.g.

- Heat supply planning for most of the municipalities.
- Planning, design and implementation of the heat transmission networks of CTR and Vestforbrænding, more than 10 distribution networks including Frederiksberg Forsyning
- Design of the three waste to energy units for Vestforbrænding, Amagerforbrænding and KARA/NOVEREN
- Rehabilitation of old district heating networks for several of the district heating companies
- Stationary and pressure transient hydraulic analysis of the whole transmission system.



The Greater Copenhagen District Heating system

Probably the largest and most efficient integrated low carbon urban heating system in the world

Visit The Underground District Heating
Take part in Low Carbon Urban Heating event
Find our climate solutions at www.energymap.dk





Visit Underground District Heating

Heat exchanger and pump station

Julius Thomsens Plads

A part of the integrated district heating system

Saturday December 12 11.30 and 15.30

Sunday December 13 11.30 and 15.30

Registration and Departure: Ramboll at Booth number **53**

Programme:

Heat Exchanger substation: CTR-Frederiksberg Forsyning: 2x28 MW

Transmission network booster pump station CTR: 6 x 2.565 m³/h

Guided by Frederiksberg Forsyning

Low Carbon Urban Heating event (free)

Wednesday December 16 9.30 a.m - 11.30 a.m

Frederiksberg Forsyning

Stæhr Johansensvej 38

2000 Frederiksberg

200 meter from Metro Fasan (Solbjerg)



Registration

at Ramboll, Booth number 53 or
by e-mail to ee@frb-forsyning.dk

Programme:

Heat Plan Denmark by Anders Dyrelund Ramboll

District Heating distribution by Egon Erlandsen Frederiksberg Forsyning

Presentation of the heat transmission by video from CTR

Refreshments

Visit to the dispatch centre

Visit 4 x 50 MW peak boiler plant and substation