



INTREPIDH WEBINAR

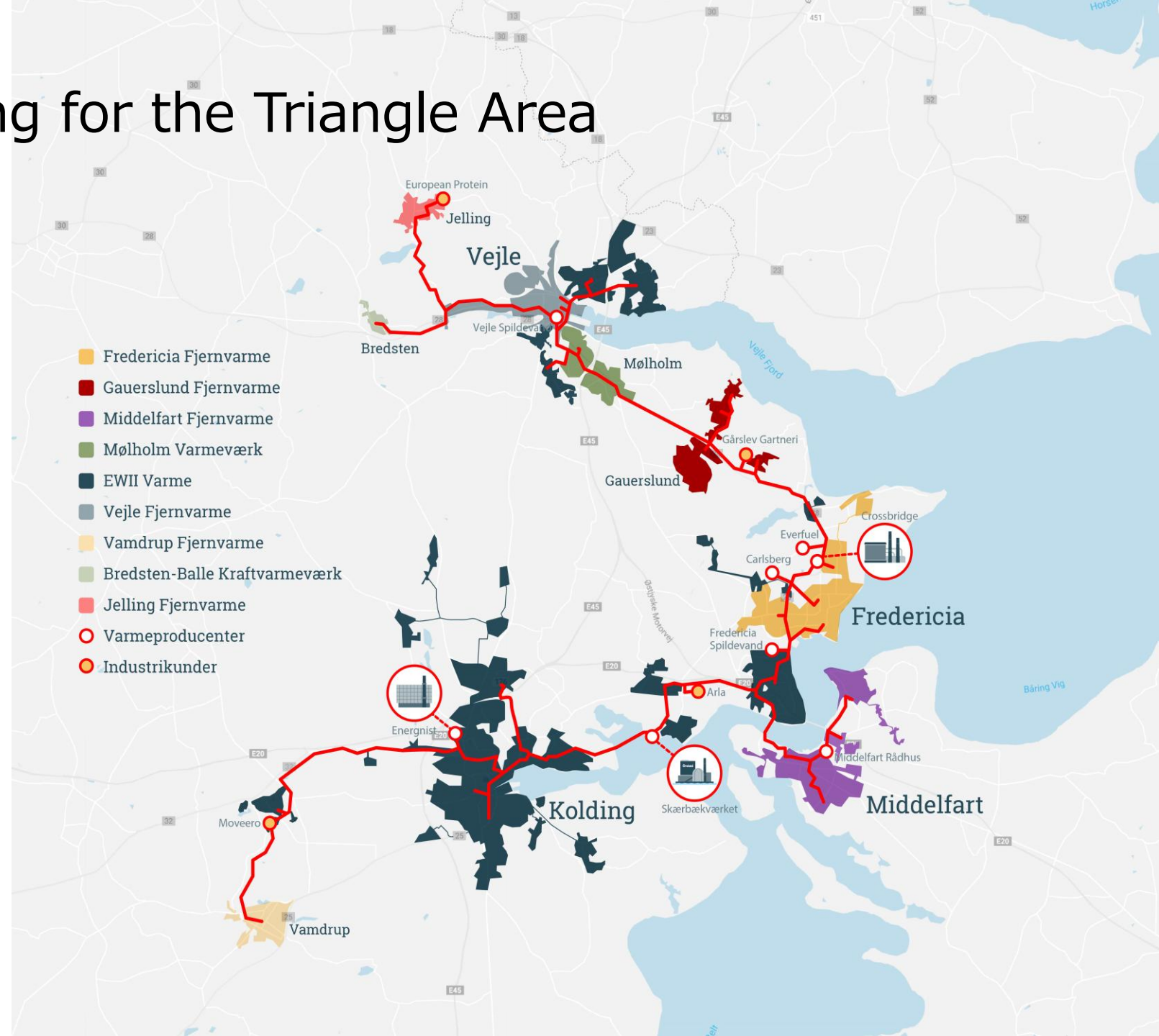
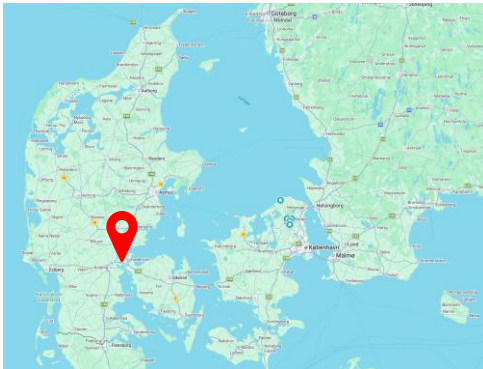
DH REACHING OUT TO PROCESS INDUSTRY

19 JUNE 2026

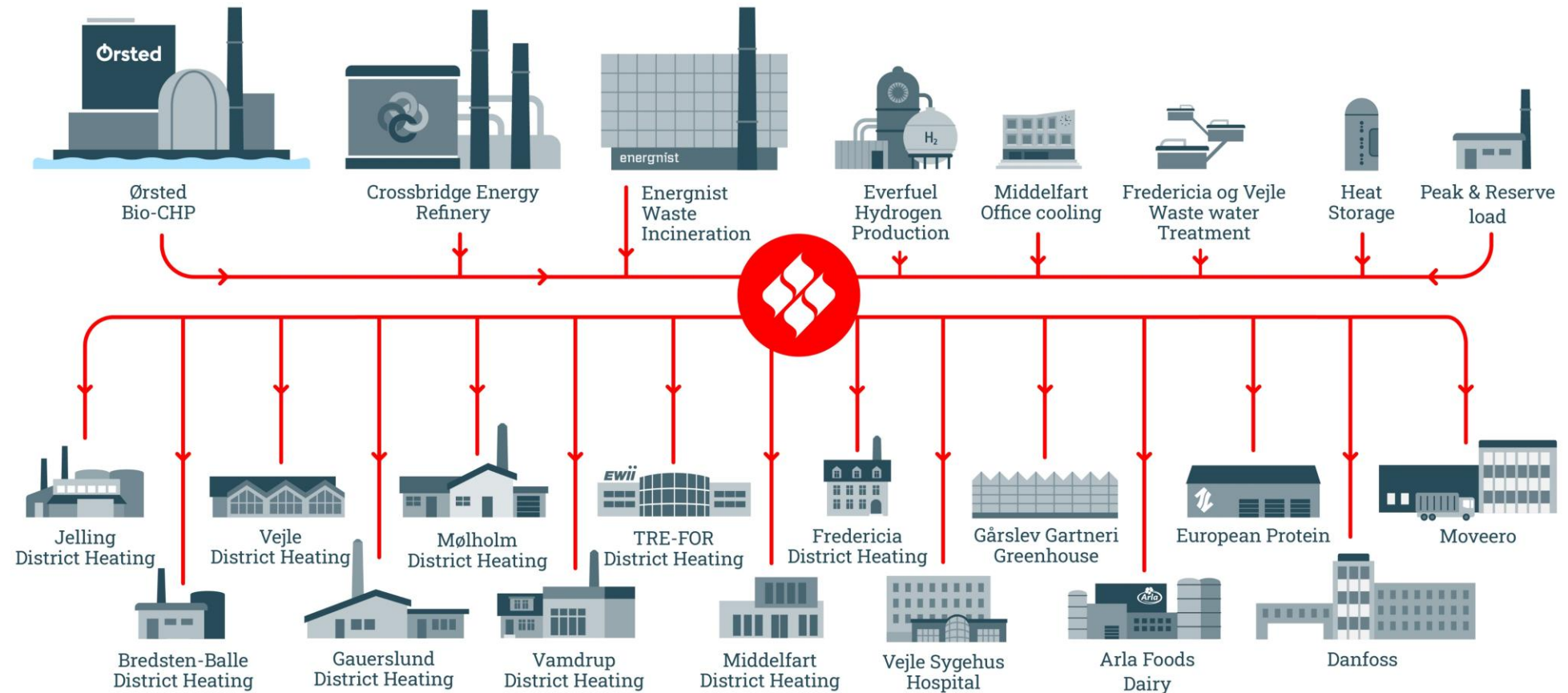


TVIS – District heating for the Triangle Area

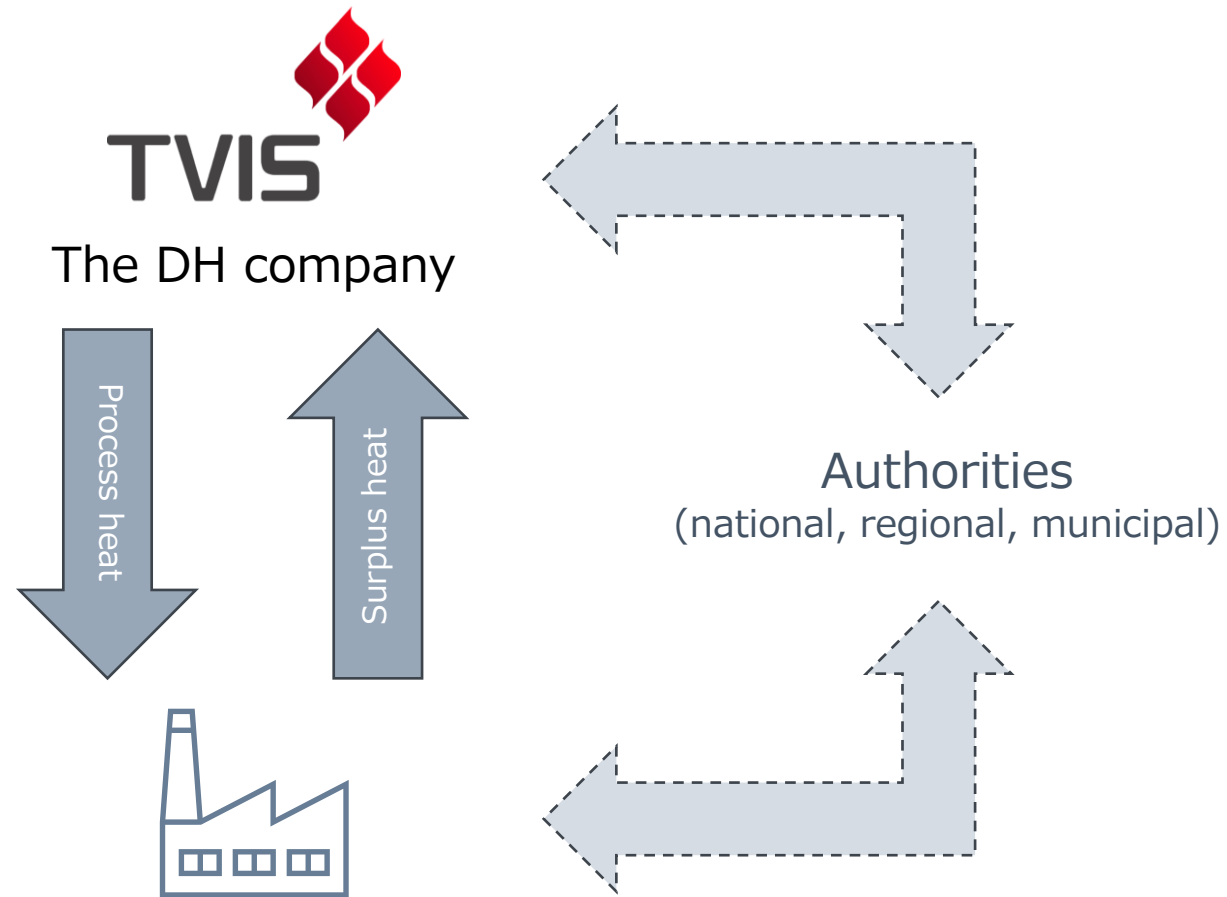
- Owned by the municipalities of Fredericia, Kolding, Middelfart and Vejle
- Handles about 2 mill. MWh/year, equivalent to 5 % of all district heating in Denmark
- 32 employees



TVIS – Denmark's largest industrial surplus heat project

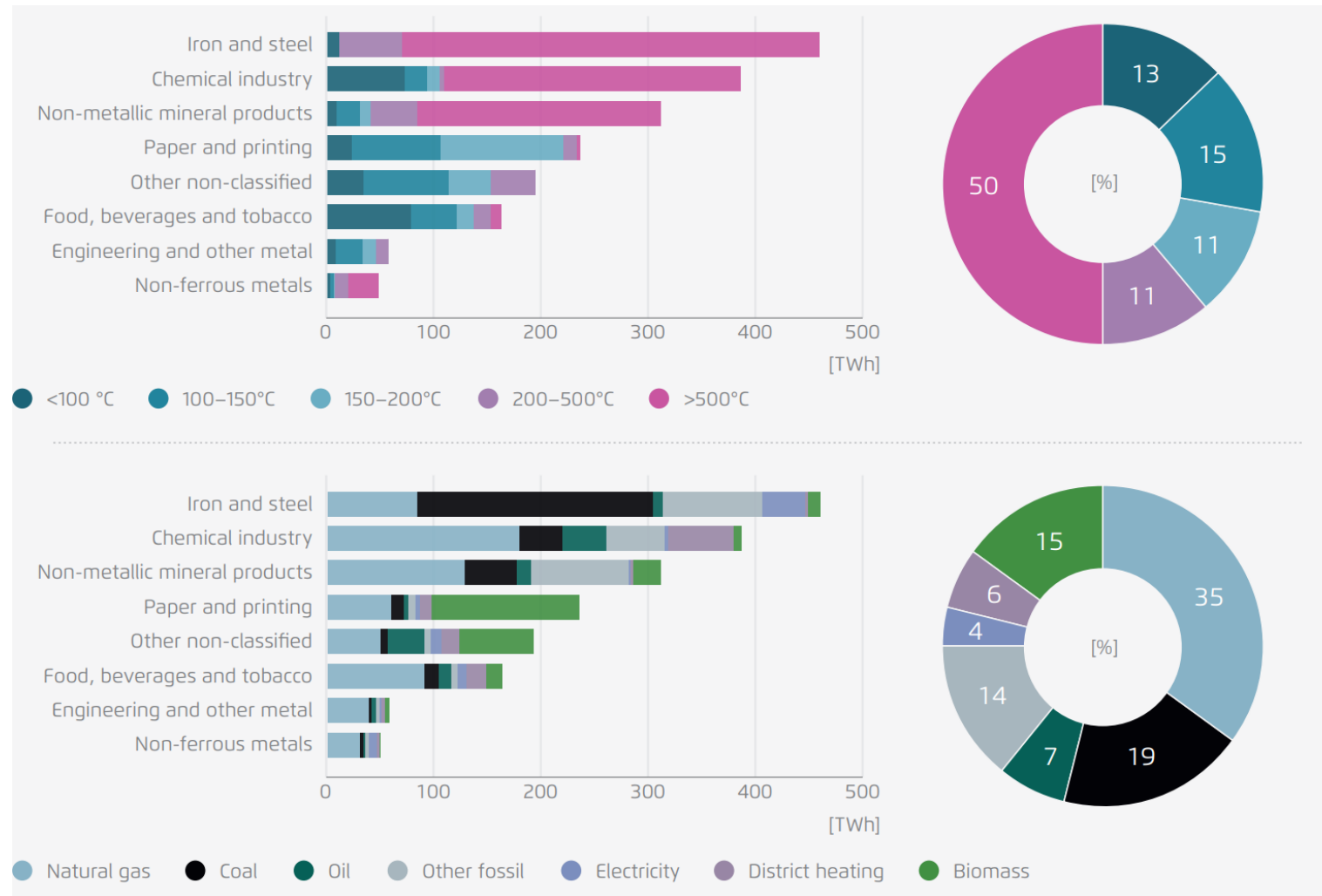


Cooperation is (at least) a two way street...



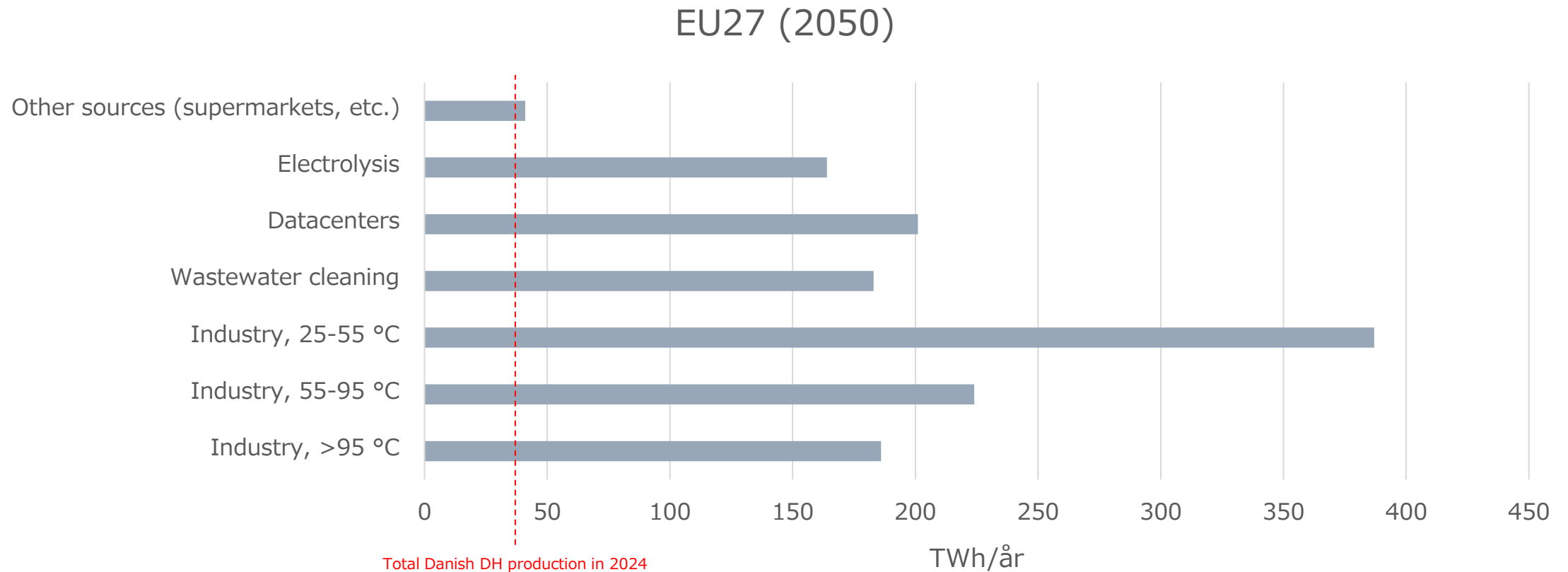
Potential for process heat

Estimated total demand for process heat in EU27 (2019):



Source: Fraunhofer ISI (2024): Direct electrification of industrial process heat. An assessment of technologies, potentials and future prospects for the EU. Study on behalf of Agora Industry.

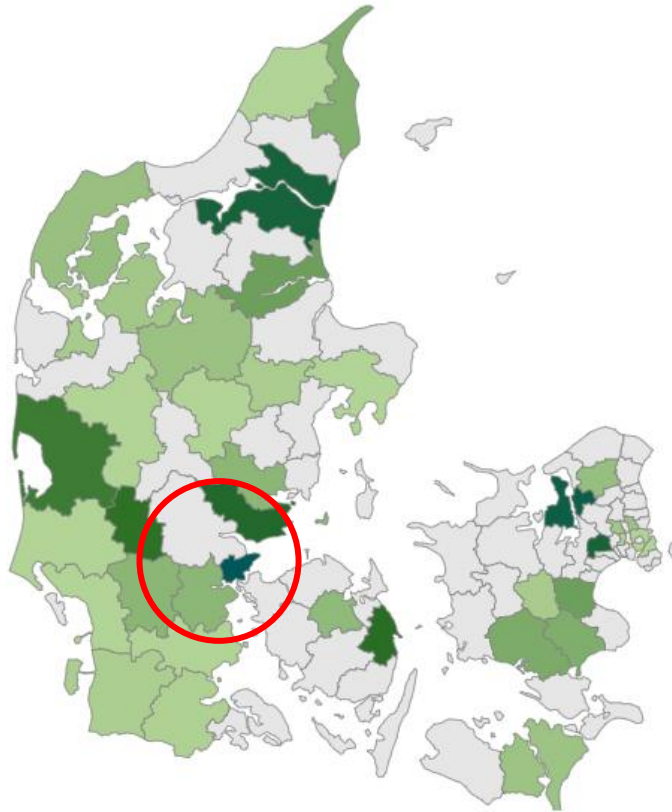
Potential for industrial surplus heat



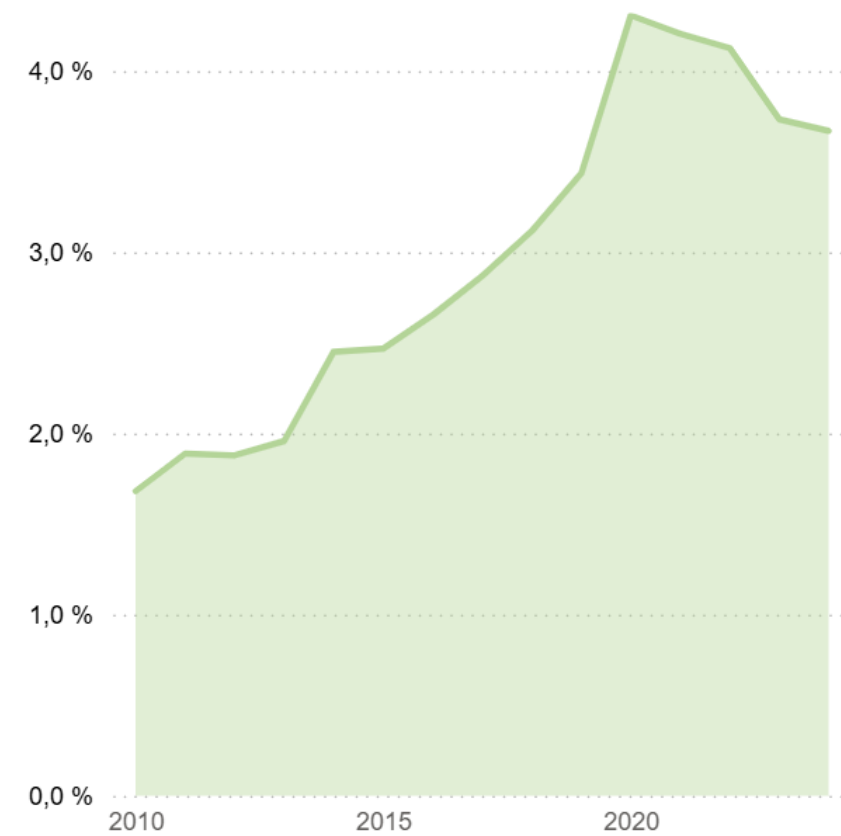
My representation of data from: Mathiesen, B. V., Gonzalo, E. G., Georgati, M., Nielsen, S., & Nikolic, J. (2025). Heat Roadmap Europe: Towards a sustainable, resilient and competitive heating sector by 2050 – Executive Summary. Aalborg Universitet.

Status in Denmark

Share of surplus heat vs. DH production in Danish municipalities



Development in surplus heating share of DH production in all Danish municipalities



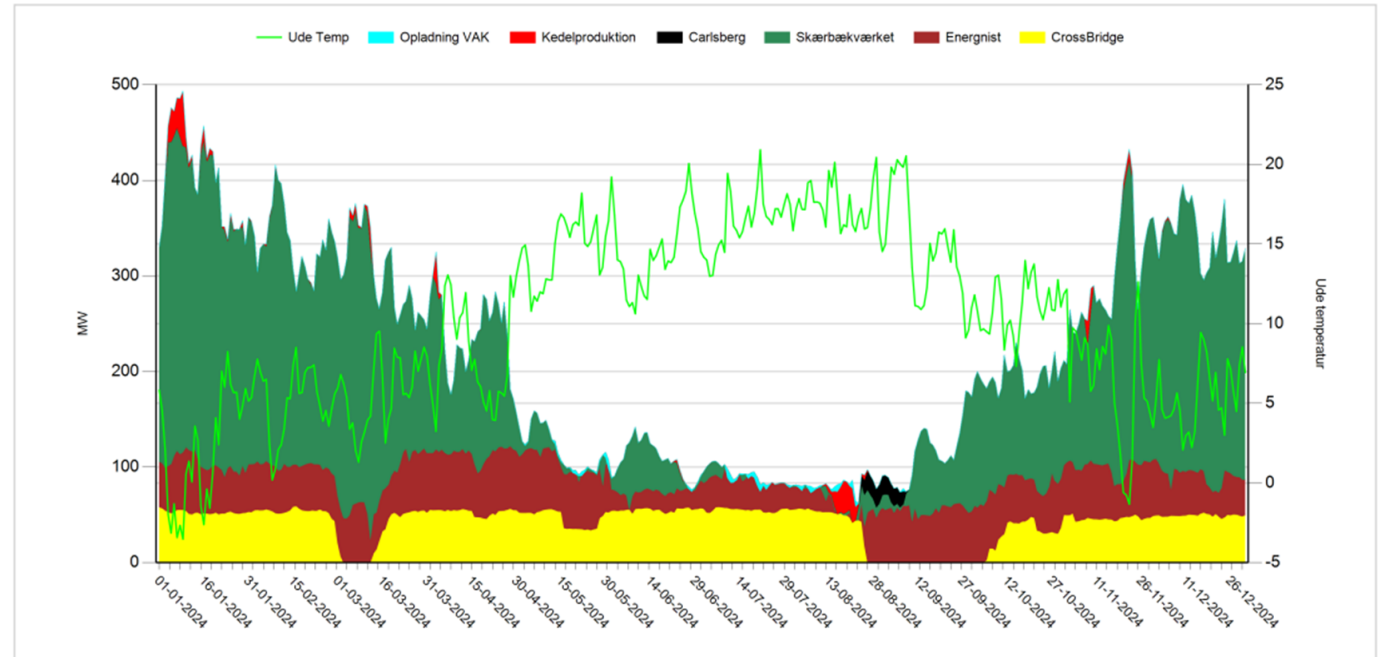
Source: Danish DH Association: Facts on district heating (www.danskfjernvarme.dk)

Opportunities

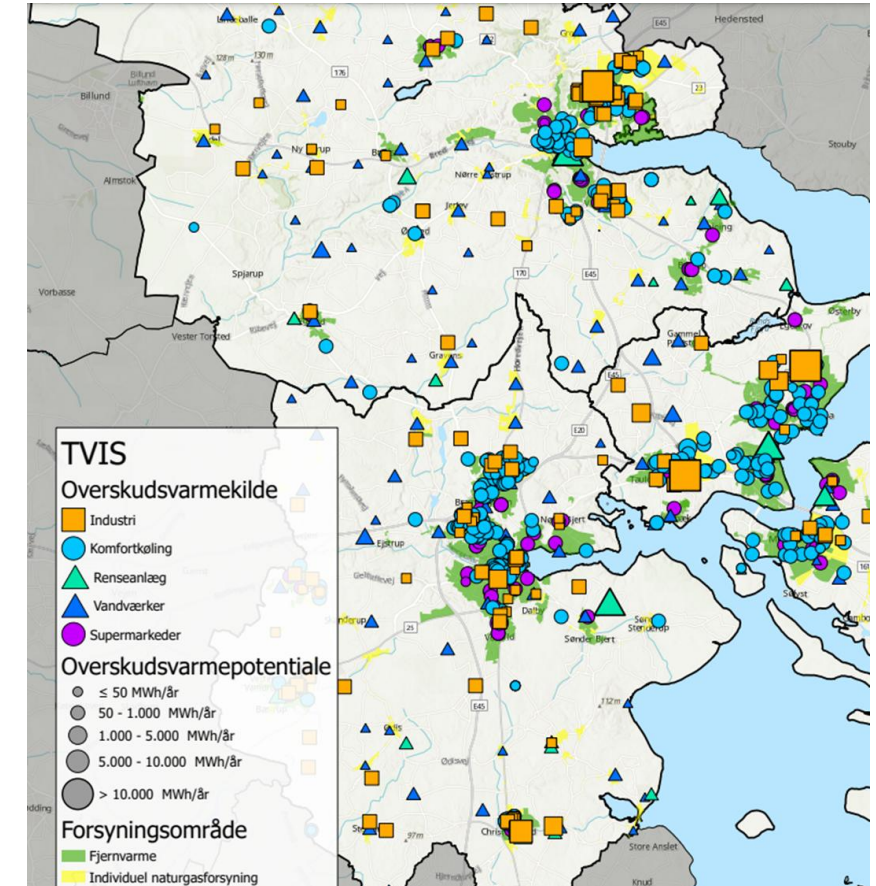
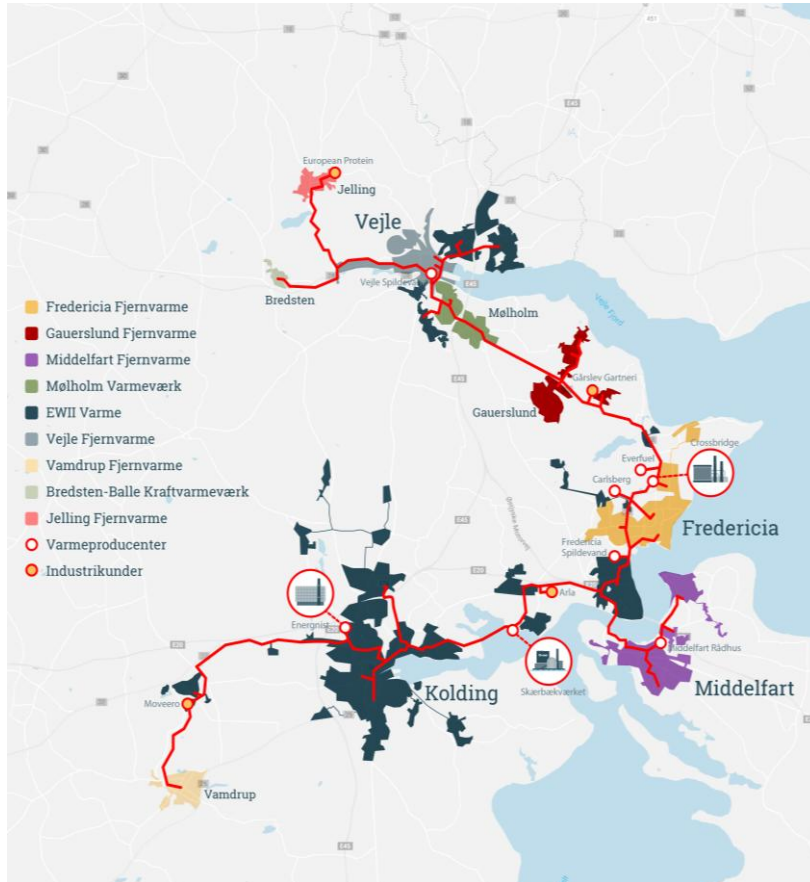
	Industry	DH company	Society
Process heat	Stable (lower) prices Greener profile Higher security of supply	Extra heat load (market) Different consumption profile 'Credit' with local stakeholders	Environmental benefits Security of supply
Surplus heat	Extra revenue stream Savings on cooling of processes 'Credit' with local stakeholders	Greener profile Cheaper heat Multi source heat supply/production	Environmental benefits Local jobs

Pitfalls – just some of them...

- Everyone wants to cover the summer load...
- ... but we also want to use energy efficiently!
- Security for investments
- Different requirements for return on investments
- 'According to regulation...' why can't we just make a deal??



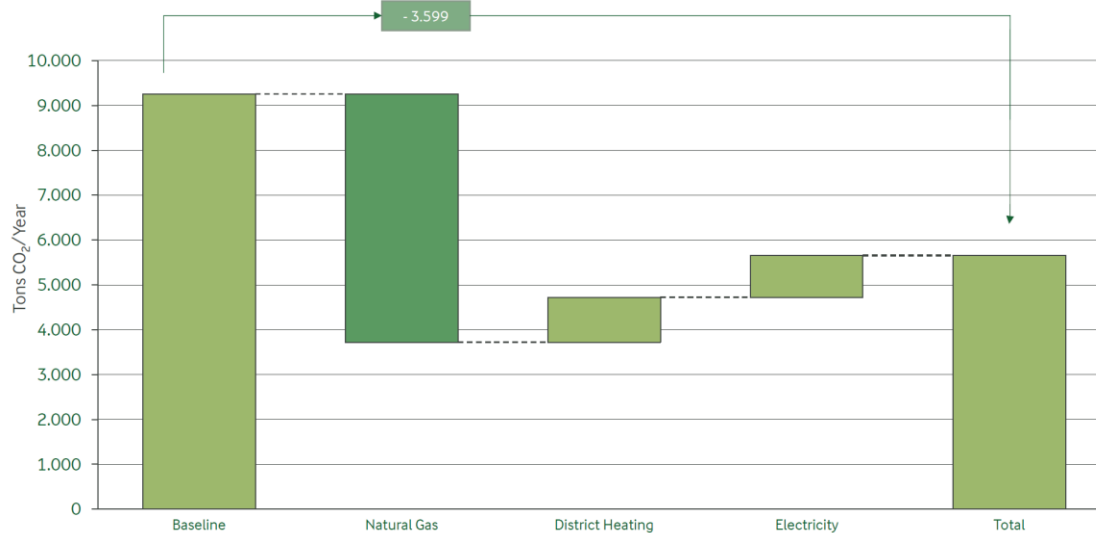
Status and perspectives in the Triangle Region



The Arla project

The Arla dairy in Taulov turns 620,000 tonnes of milk into 62,000 tonnes of cheese – every year.

- Pipeline for connection: 400 m trench
- Capacity: 10 MW_{th}
- Heat supply: 86 TJ/year (equivalent to 2,300 households)
- TVIS investment: EUR 1,5 mill.



**Thank you for your
attention!**



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