Manufacturer of heat pumps and chillers using natural refrigerants – solving challenges of the green transition







Manufacturer of heat pumps and chiller systems in Aarhus

Natural Refrigerants ONLY

- 4,400 m² office and production in Aarhus
- 80 dedicated employees
- 75 projects sold
- Broad product range with CO2 and Hydrocarbon

- 240 MW sold
- 158 heat pumps
- Revenue: 30 M€ in 2023 and 45 M€ in 2024
- Heat pump and chiller racks up to 3MW





The way we work

ADVICE PROJECT MANAGEMENT & DESIGN

START UP 8 COMMISSIONING

REMOTE MONITORING

SUPPORT



















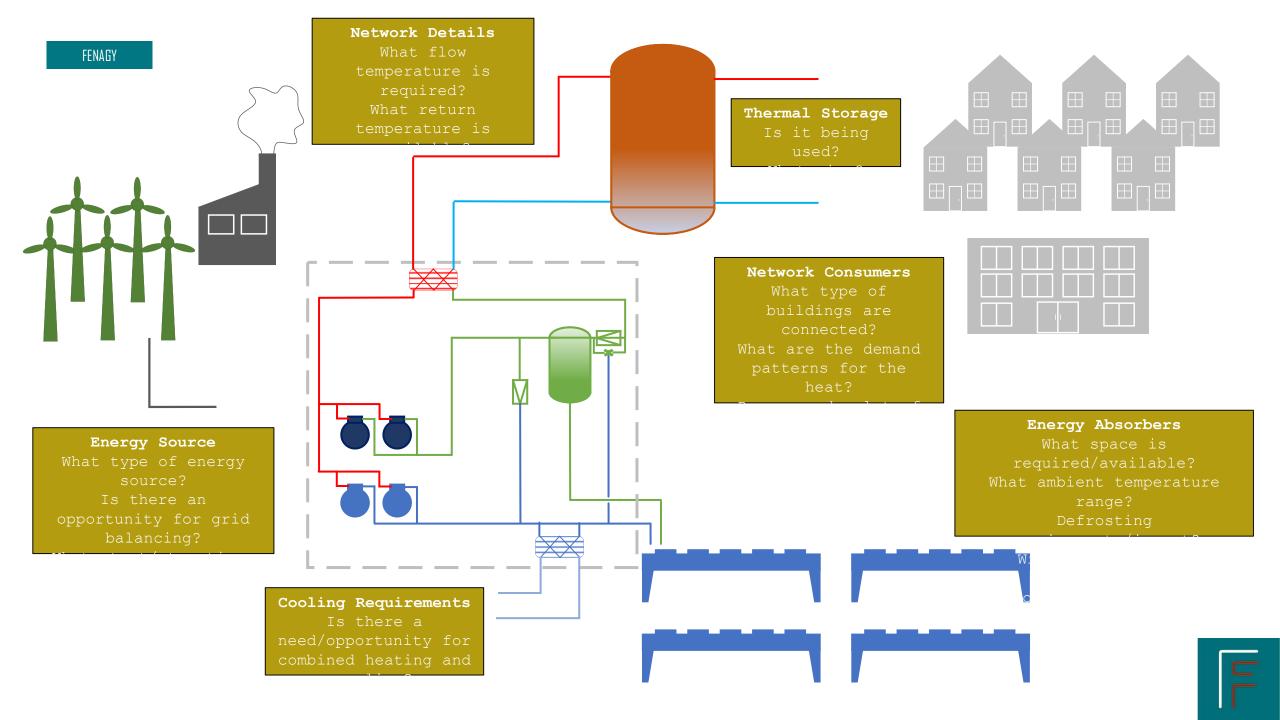




Heat Pump Selection/Design





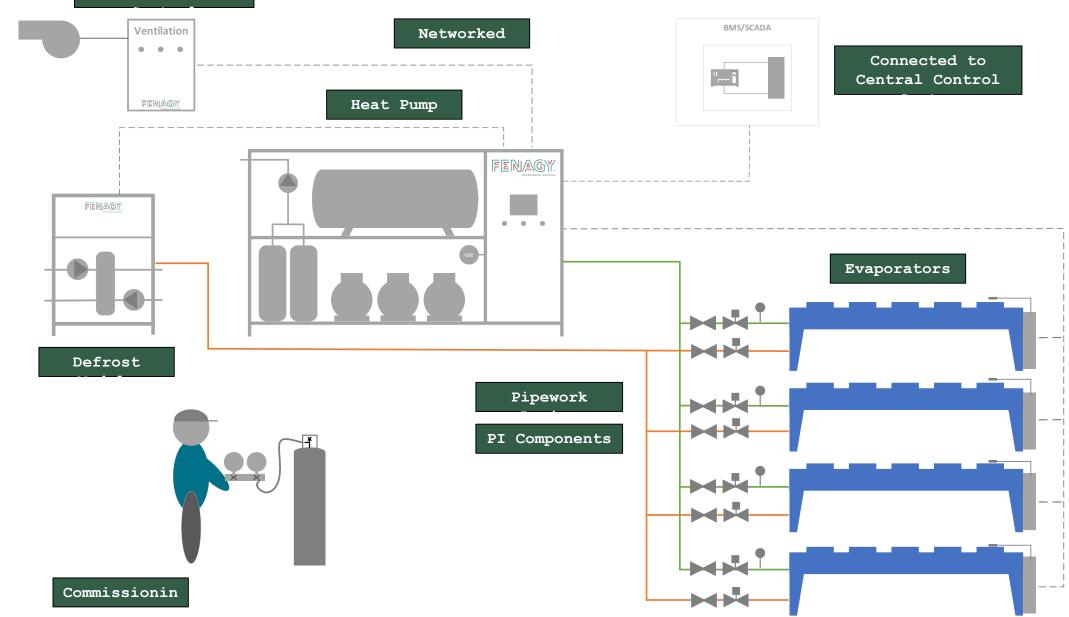


What Fenagy will Provide





Leak Detection & Ventilation

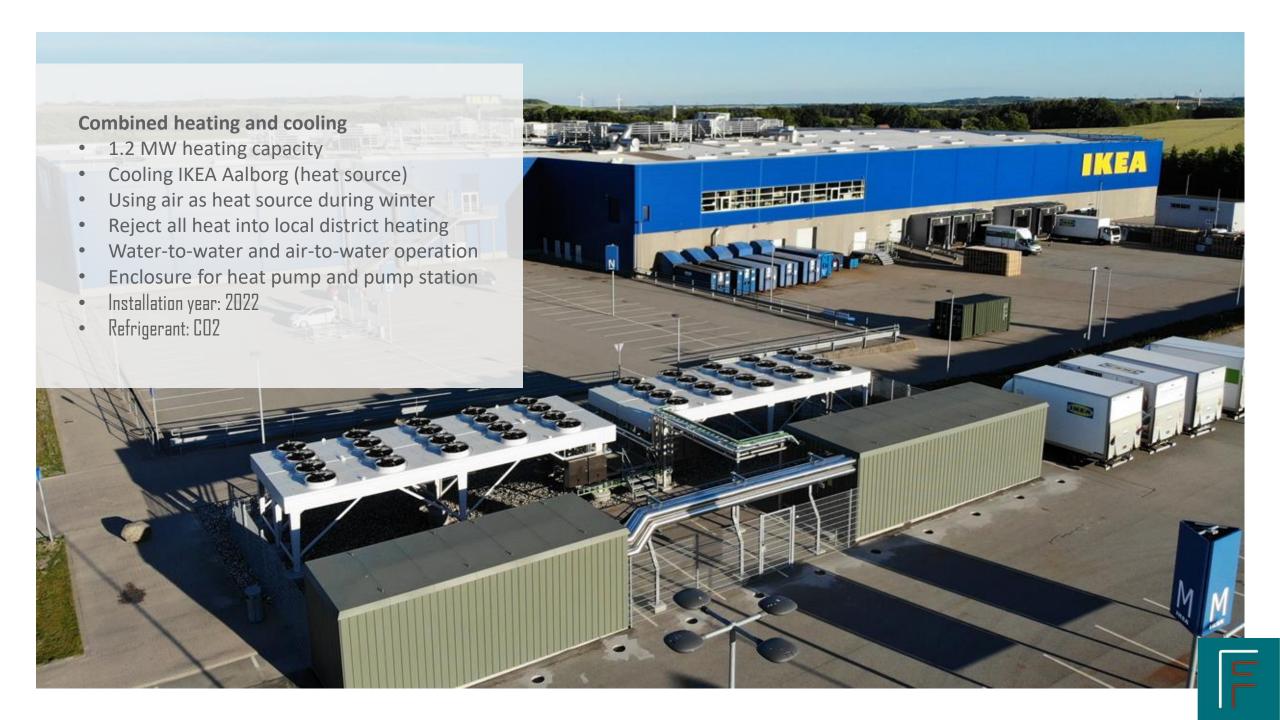




Case Studies







13 MW Air-to-Water heat pump



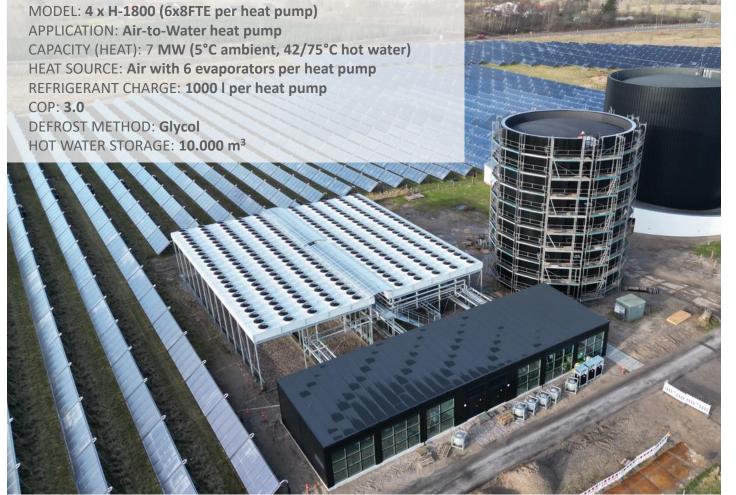
District heating

- 5 x heat pumps (2.6 MW/unit)
- 40 x evaporators (400 fans)
- 40 x compressors
- Redundancy
- Installation year: 2024
- Refrigerant: CO2



Nykøbing Sjælland: 7 MW air-to-water heat pump

YEAR: 2023







District heating - Sdr Felding

- 3.5 MW Air-to-Water heat pump
- Large energy storage tank
- Installation year: 2022
- Refrigerant: CO2
- Approved by TSO for aFRR marked











- Runs on renewable electricity when prices are low
- Large tank and large heat pump decouple the heat demand from fluctuating electrical prices
- Fast start and stop (less than 5 minutes)
- Helps balancing the electrical grid



Thank you

Thank you for listening!

Feel free to contact us if you have any questions:

Paul Bevington pbe@fenagy.dk



