

Gothenburg Energy

Waste Heat From Refineries

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District Heating, Quick Notes

DH Production = 3500 – 5000 GWh/year

Electricity Production = 300 – 1200 GWh/year

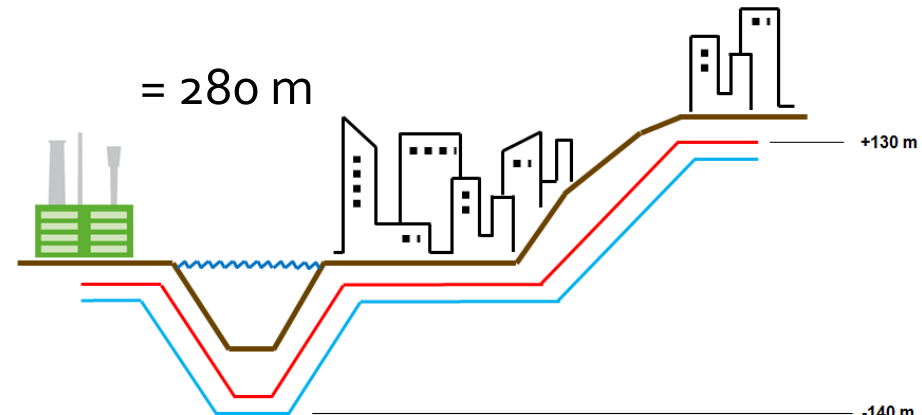
Production Capacity = 1 800 MW

Connected DH Substations = ~20 000

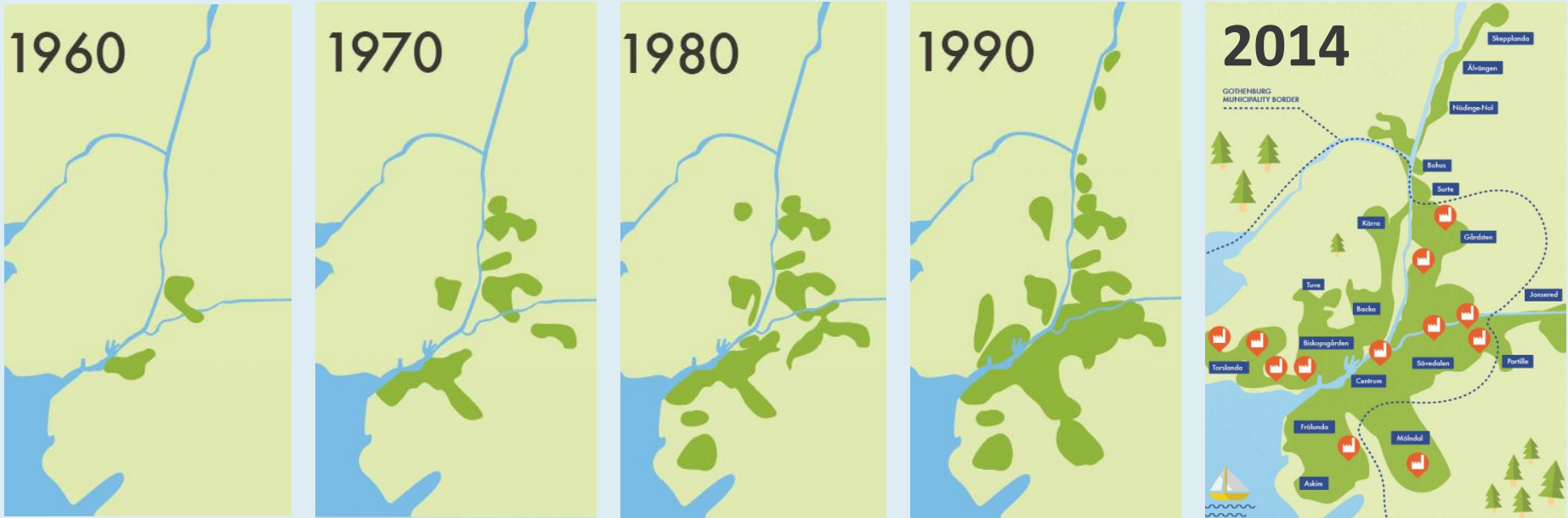
System Length = 1 400 km

Volume Water = 80 000 m³

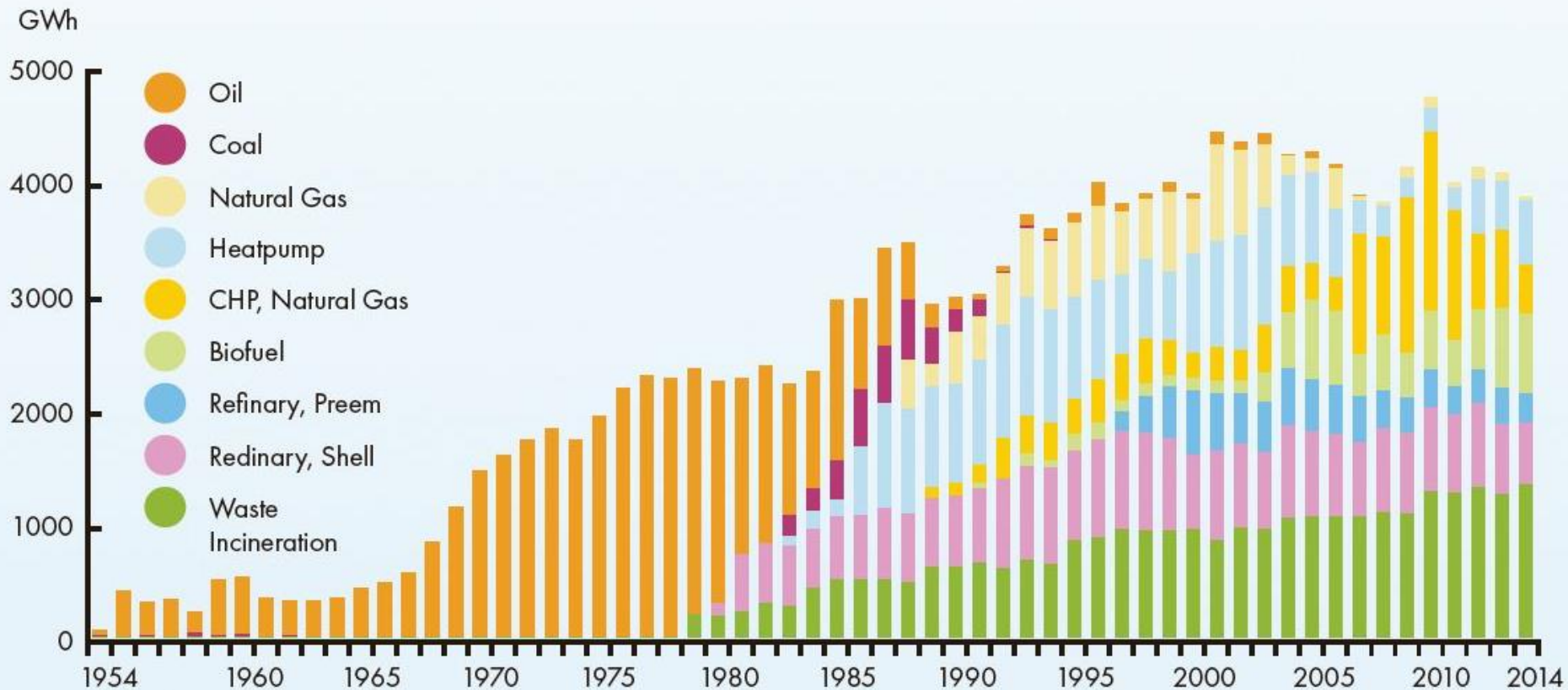
Height Difference = 280 m



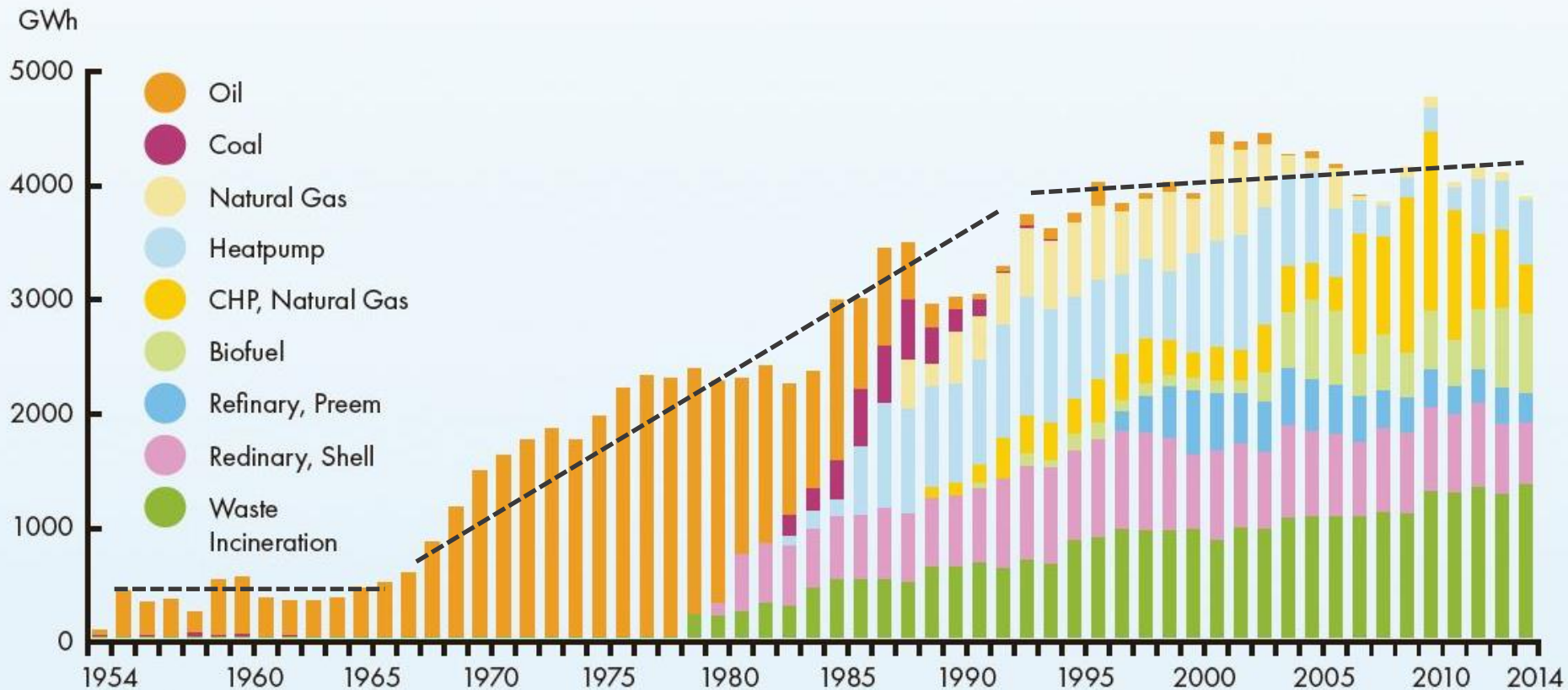
District Heating Network Development



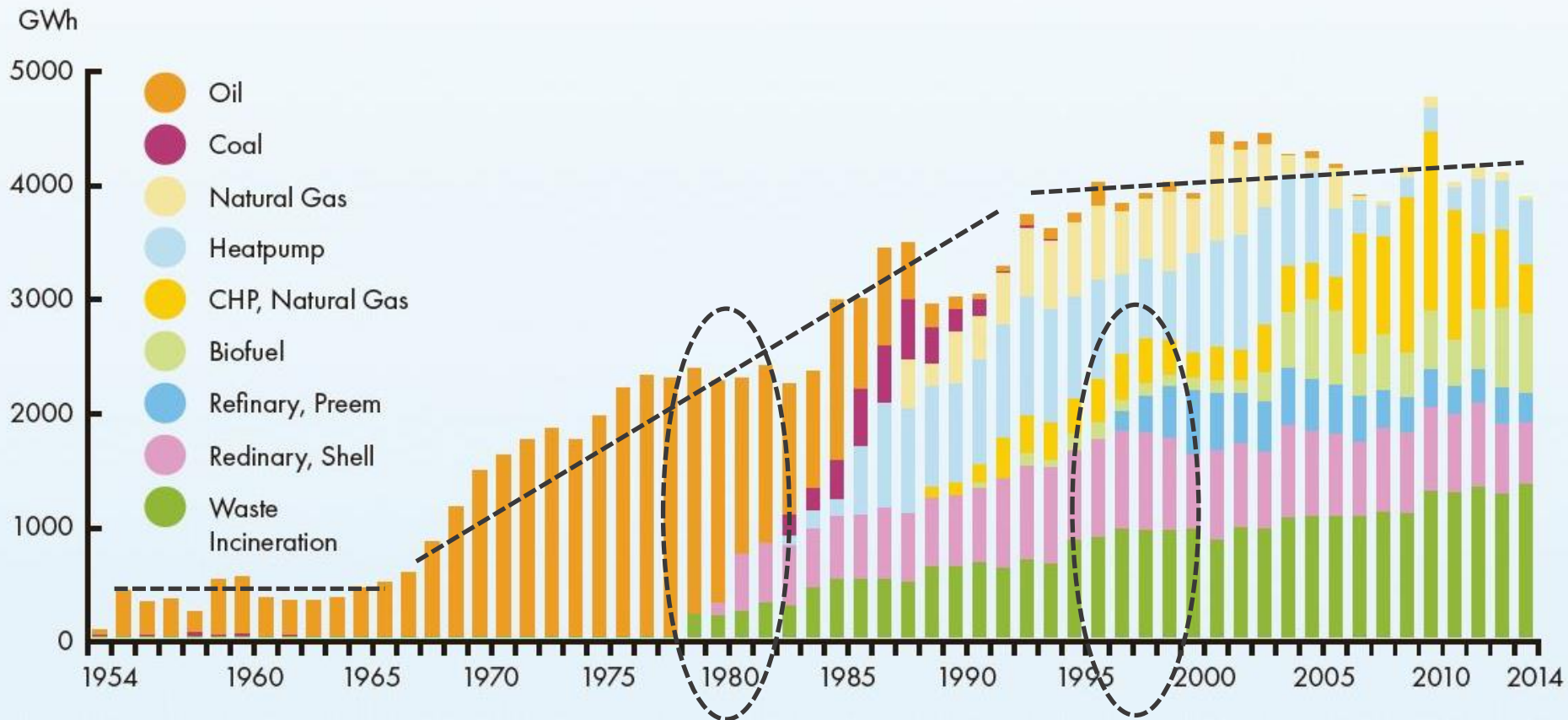
History - Fuel mix of produced heat



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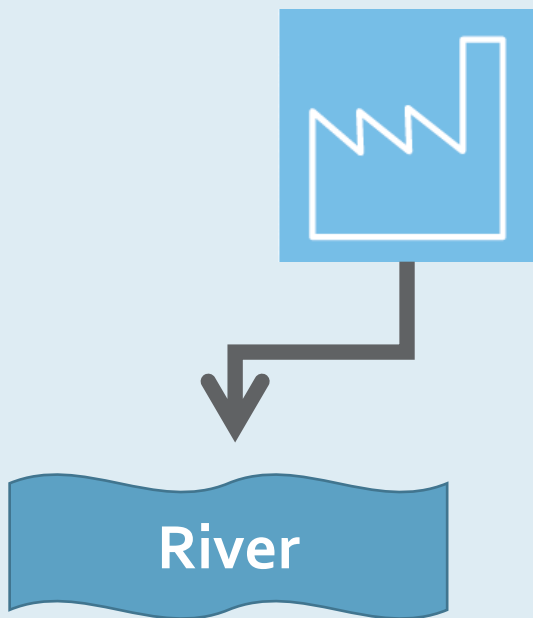


History - Fuel mix of produced heat



Schematic diagram of the interconnection with refineries

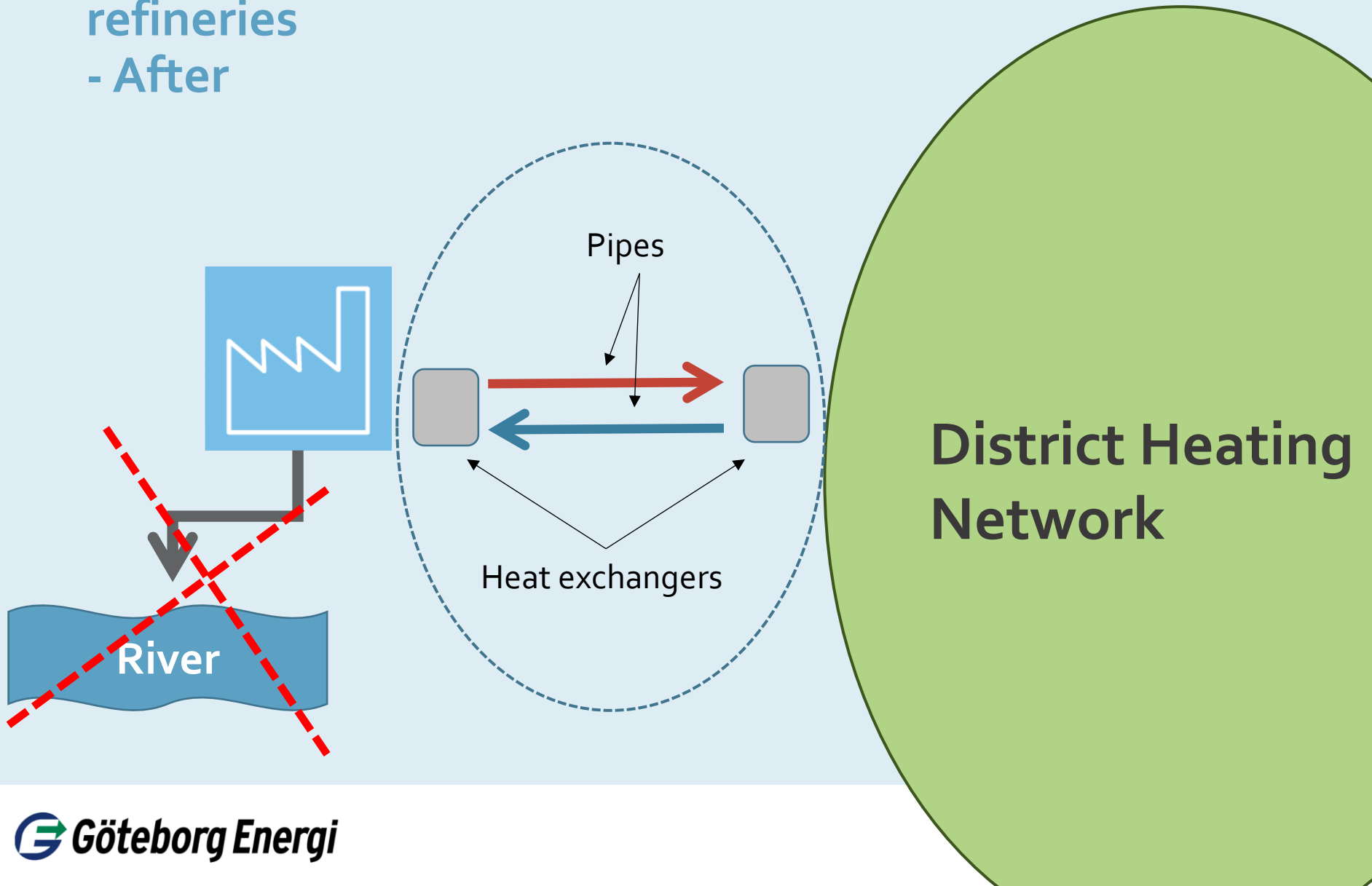
- Before



**District Heating
Network**

Schematic diagram of the interconnection with refineries

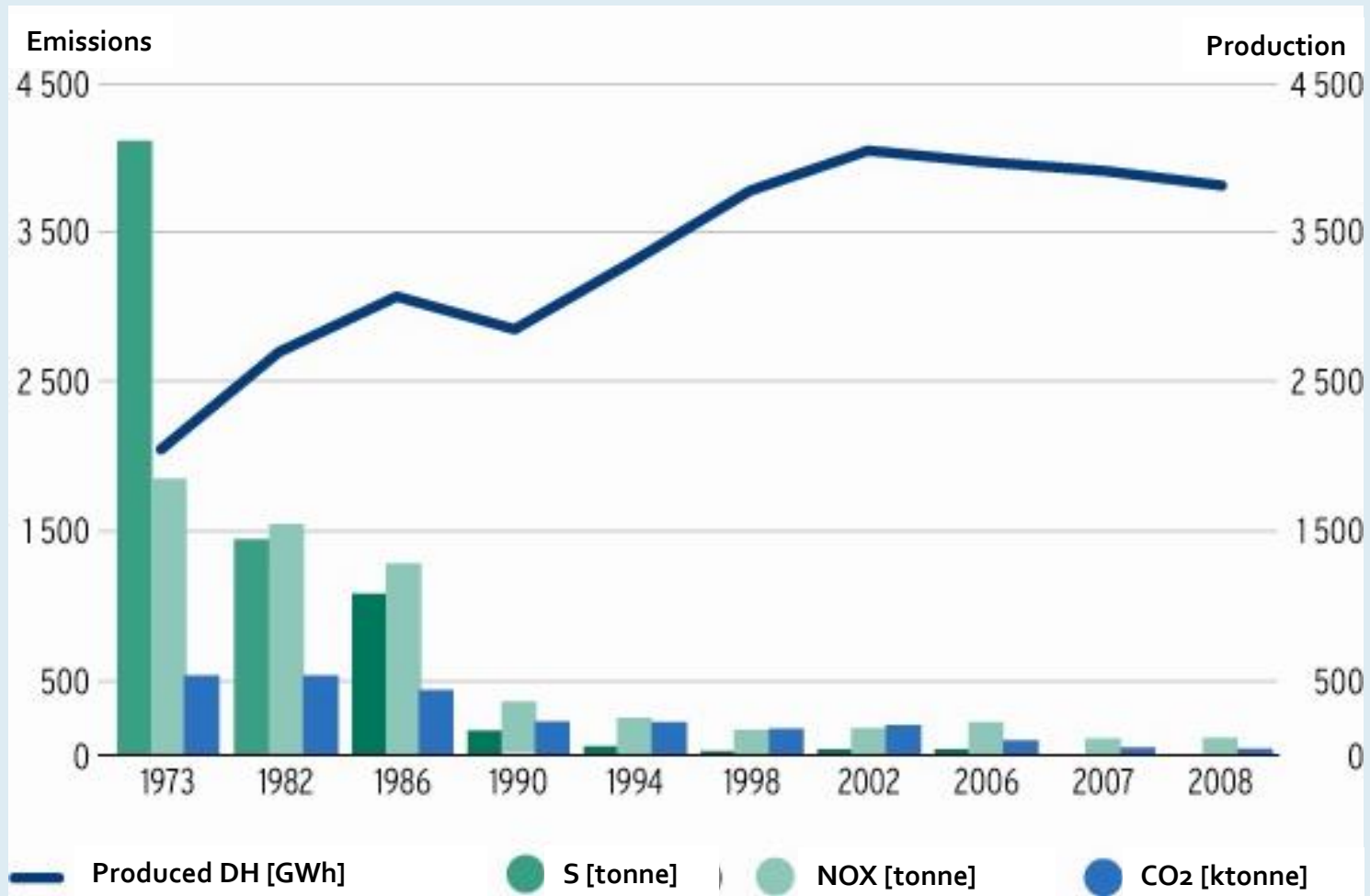
- After



Old and new heat exchangers at Preem Refinery



Decoupling – Production and Emissions



1985

TODAY

Thank you

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