

AffaldVarme Aarhus











A tariff financed "company"



- Politically controlled
- Long tradition for district heating and incineration
- Non-profit







Employees and turnover (or trade)



Employees	Approx. 345
Annual turnover, 2015	Approx. 3,0 billion DKK (400 million EUR)



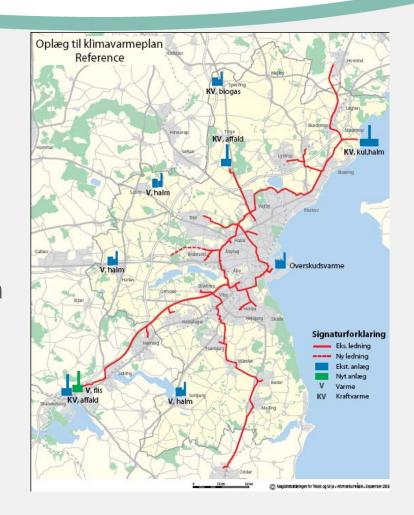




District heating

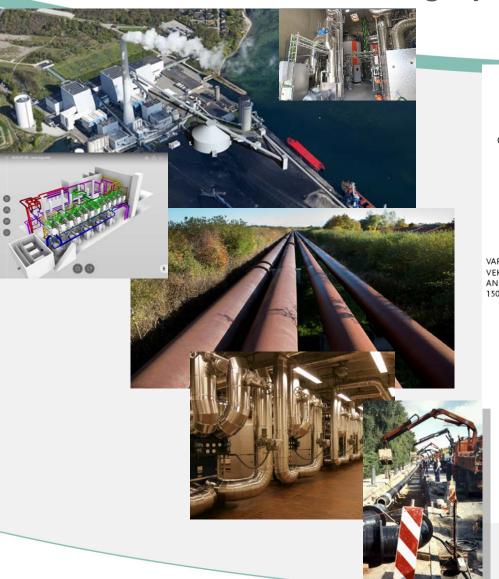


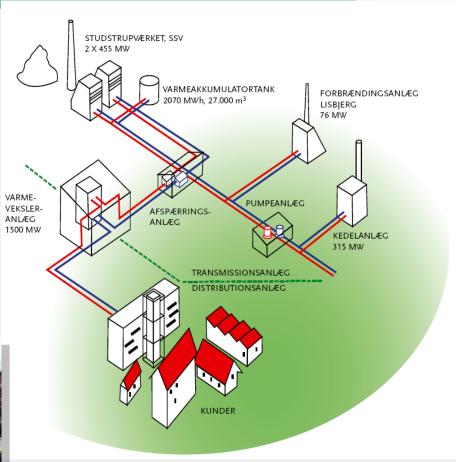
- Handling and supply of approx.
 3.200 mio. kWh district heating water based on burning of waste, coal, wood chips and straw
- A transmission system of 133 km pipe, which also covers 3 neighbouring cities
- 95 % of the 331.000 inhabitants in the municipality of Aarhus are supplied with district heating
- 55.000 customers on a distribution system of 2.000 km



District Heating systems







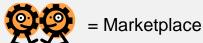
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Environment and Energy Planning and Environment

Value chain District heating Aarhus (+10 mia. / 2 mia. D.kr./y)

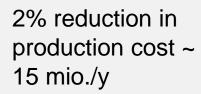


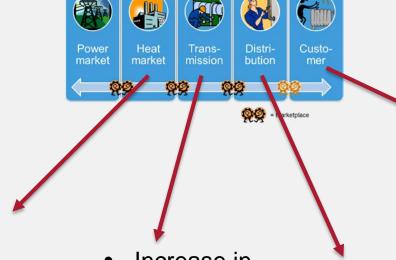




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- New business models. ?/y
- Load shifting.?/y

- Increase in lifetime 5% 100 mio. ?
- Reduction in capacity investment 20 mio./y?
- 30% reduction in heatloss10 mio. /y
- 20% reduction in capacity investment 20 mio./y.

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Data



- Available at AZURE SQL, API a.o.
 - 50.000 various technical and finansiel information prognosis, weather
- Not so available at AZURE
 - 55.000 smart-meters day values
 - Few houses in seconds Q, temperaure
 - Aa+ data (comming)