

District Heating in DK

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Heating in Europe





40%

of energy consumption



36%

of CO2 emissions in the EU



35%

of the EU's buildings are over 50 years old



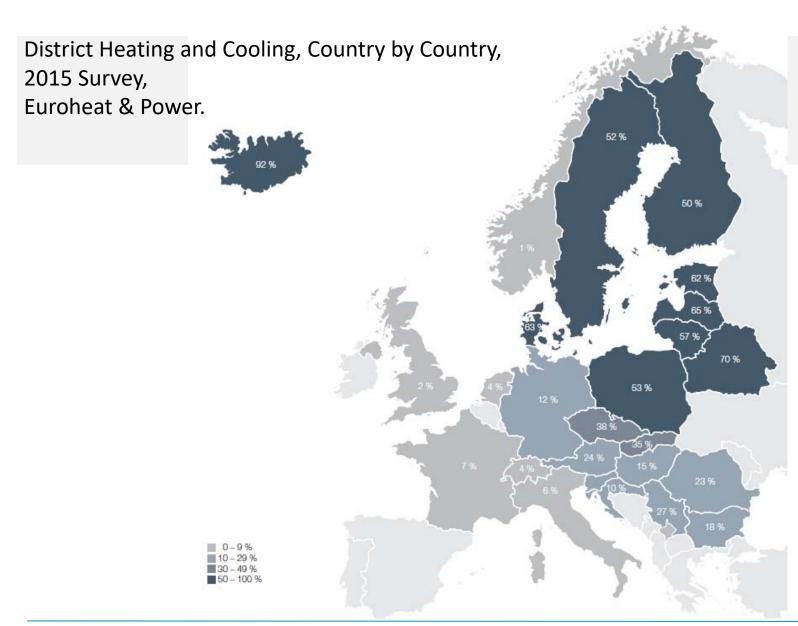
75%

of the building stock is energy inefficient















Energy Supplier

Company:

- Interest = high price & low investment costs.
- Follow national regulations including transparency legislation.
- Operation costs as low as possible.
- Surplus for the owners.



Cooperative:

- Interest = low price & low investment costs.
- Follow national regulations and decisions from the consumers (AGM).
- Transparency/values.
- Operation costs as low as possible.
- Surplus for the consumers.







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Which of the two would you choose?





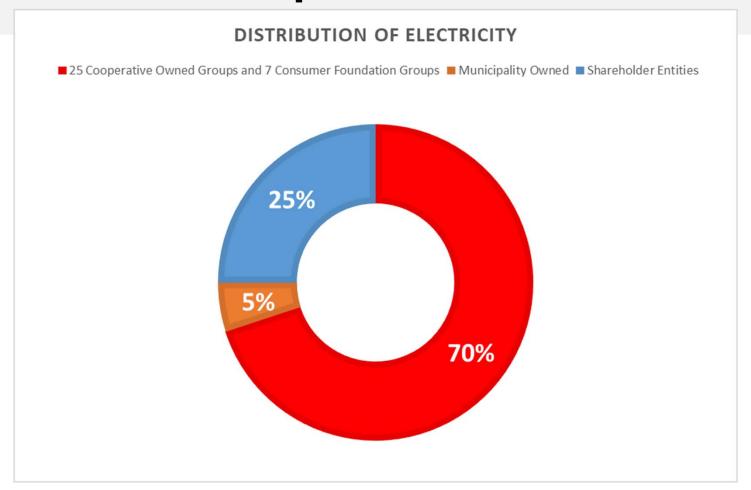


- Since the start of 20th century: energy coops.
- Energy supply has been top priority on the local supply agenda.
- "Critical Infrastructure" belongs to the society/citizens.















World Champion 2016-2018: Electricity Security

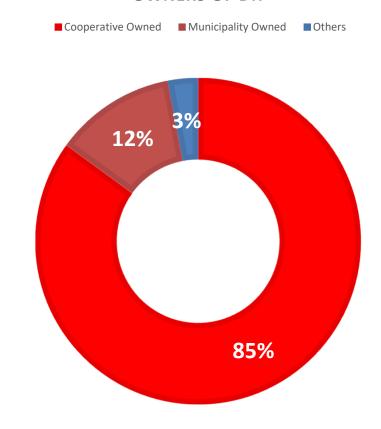
99,99 %







OWNERS OF DH









Increasing district heating households:

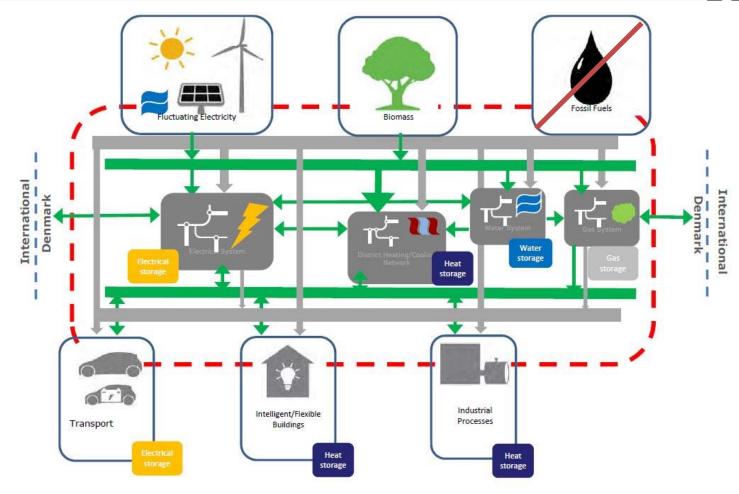
65 %







DH - Part of Flexible Energy









My Community is My Home

Community DH-Systems:

- CO2-emissions are lower
- Operation & maintenance costs are lower
- Cost-benefit analysis in DK?









REScoop PLUS

DH-Cooperatives

- Look for energy savings for the members and the grid.
- Create innovative services to minimize operation costs.
- Make you aware of energy consumption.
- Benchmarking: Coops the best!







Legislation

- Planning local heat plan (economy, energy savings, climate, pricing).
- Open possibilities for local partnerships.
- Non-discriminatory acces to the market.
- Acces to capital (e.g. mortgage loans).
- Priorities for consumers.
- Decentralisation, Decentralisation, Decent......







"Avedøre Green City"









Conclusion

- Consumer controlled and owned DH systems deliver efficient, secure and cheap heat.
- Consumer controlled and owned DH systems are more flexible in the overall energy system since they don't focus on the bottom line but on the heat efficiency and heat price for the benefits of the consumers.
- DH benefits the society.







Thank you!

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