



Bjæverskov Fjernvarme A.M.B.A  
V/Vollerstevvej 12A, 4632 Bjæverskov  
[www.bjaeverskov-fjernvarme.dk](http://www.bjaeverskov-fjernvarme.dk)

# BJÆVERSKOV DISTRICT HEATING

## A CONSUMER-OWNED TRANSITION STORY

How the AMBA model enables long-term, sustainable and affordable heat for all.



OWNED BY  
THE CONSUMERS



NOT-FOR-PROFIT  
COST-BASED



FOCUS ON  
THE FUTURE





# The Starting Point

## A local opportunity – A need – Not a perfect plan



Small danish town with individual heating (gas/oil)  
3800 inhabitants, 1000 households.



No district heating infrastructure. Mostly oil and gas.



Local need for affordable and sustainable heat.



Initiative driven by 7 local citizens.



Built on a strong local engagement.



Strong case, strong and open communication.



# The Starting Point



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**A local opportunity, – A need – Not a perfect plan**

**Cooling from transformer heat from our neighbor, EnergiNet → waste heat.**

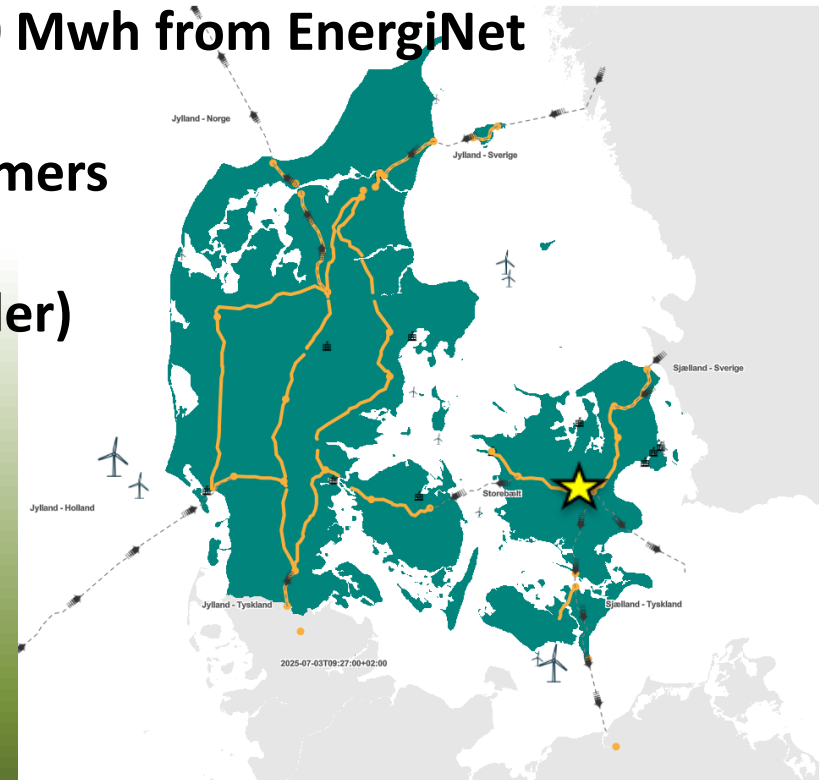
**Total 21.000 Mwh for the project – 13.300 Mwh from EnergiNet**

**40 degrees from E.N. → 72 degrees consumers**

**How: Heat pumps, Electric boiler (Gas boiler)**

**Storage tank 4400m<sup>3</sup>**

**28 km pipeline**



# The Starting Point



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## A local opportunity – A need – Not a perfect plan

After 5 months of local research and gathering interest for a possible project, we established **Bjaeverskov District Heating AMBA** in June **2022**.

Together with our advisor, PlanEnergi, we prepared a project description during this period and submitted it to Køge Municipality in, March **2023**.

The project was approved by Køge Municipality in, August **2023**.

An investment framework of EUR 36.240.000,- was finally approved in, October **2023**. We signed personally with the Mayor.

All preliminary work — including tender documentation, groundwork clarifications (soil tests, drawings/visualizations, land surveying, etc.), as well as review and negotiations with suppliers — amounted to EUR 242.000,-

The contract with the contractor was signed in June **2024**, and the work began in September 2024 – we expect to complete the project in this year **2026**.



# Step-wise System Development

**Phase 1: Simple start (e.g. gas/biomass)**

**Do not wait for the perfect system!**

**Phase 2: Network expansion: Step-by-step infrastructure build-out**

**Phase 3: Integration of heat pumps & electric boilers**

**Phase 4: Storage and excess heat integration**

**Phase 5: Design evolves over time – new technical upgrades**

# Step-wise System Development



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We initiated the initial heat supply from a former greenhouse facility.

This allowed us to deliver temporary heating, albeit gas-based. However, the old consumer boilers were replaced.

Meanwhile, we were able to establish the first pipelines along the road to the consumers.

**Advantage:** We achieved capital assets and generated revenue from heat sales = a stronger business case.

**Advantage:** Consumers can see that we are making progress — we deliver as promised.

The heating plant was started in March 2025 – first heat delivered on January 12, 2026. The greenhouse was then shut down.

**Advantage:** Pipe installation in 2025: 15 km = 320 household connections.

The plant here ready to receive now May 2026 (final operation-ready): October 2026.

**Total project:** 845 households (84,5% connection) 28 km of piping.

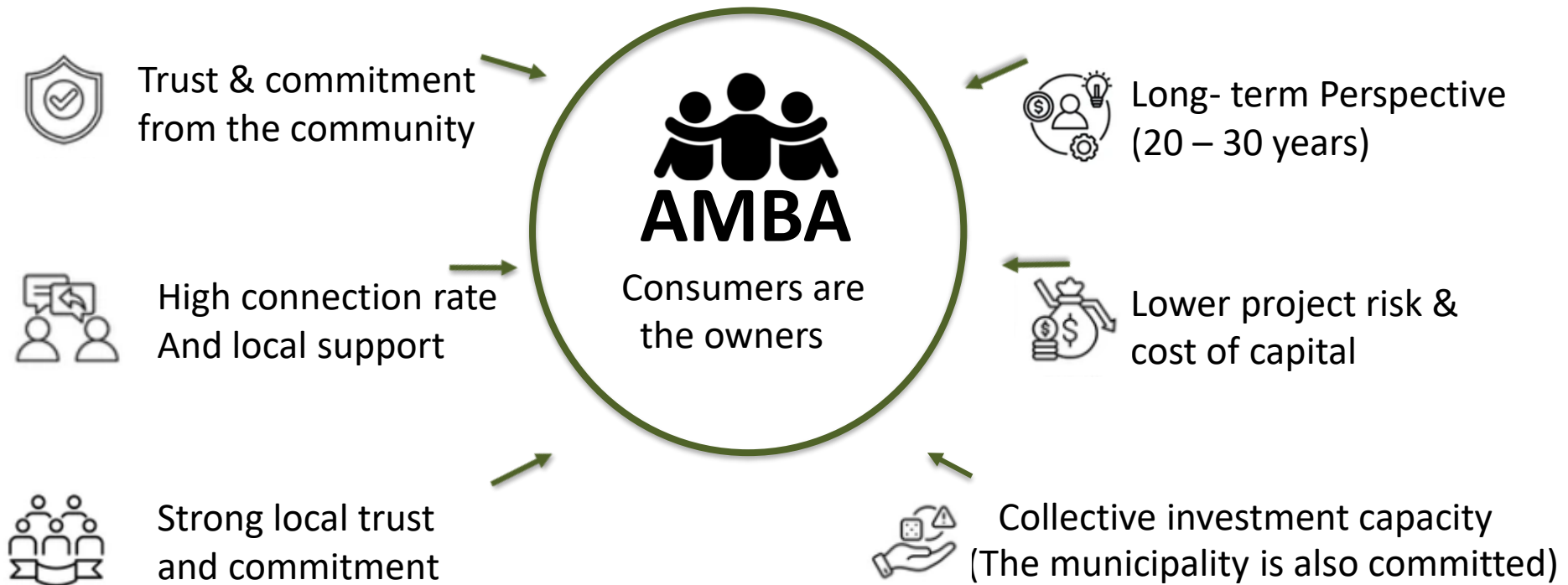


# Why the AMBA Model

## The ownership changes everything



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# Non-profit, cost-based operation



# Why the AMBA Model

## The ownership changes everything



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One connection = One vote  
Democratic decision making

Not-for-profit (cost-based pricing)  
No dividend – profit is reinvested

The same people who use the heat  
are the ones who decide

Transparent operations  
And open communication

Board elected by the consumers  
From the local community





# WHAT WE LEARNED ..

**Start simple = Build trust and deliver early results.**

*“You are gambling with people's money and homes..”*

**Build ownership = creates engagement and commitment.**

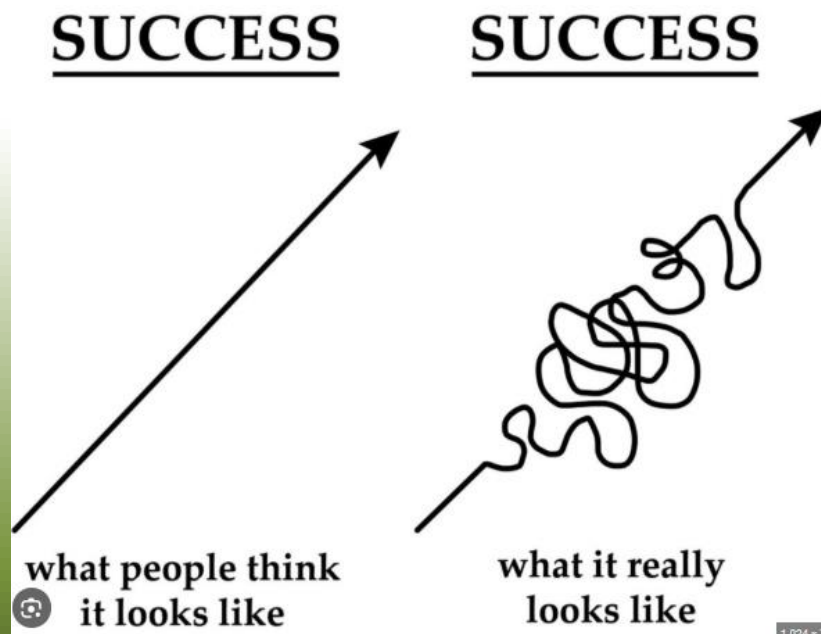
**Design and planning for evolution, NOT perfection.**

**Technology is important – but organization is critical.**

**Long-term thinking enables the green transition.**

# The Success formular :

**Local ownership + Step-wise developement  
+ strong governance = A sustainable future**



# KEY TAKEAWAY



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*In Bjæverskov, the consumers are not just customers – They are the owners. That is the way it works.*



Local  
Ownership



Step-wise  
development



Green  
technologies



Sustainable  
Future

**THANK YOU FOR VISITING US**



**Bjæverskov District Heating**  
**Est. 2022**