

# BürgerEnergie Bohlson eG

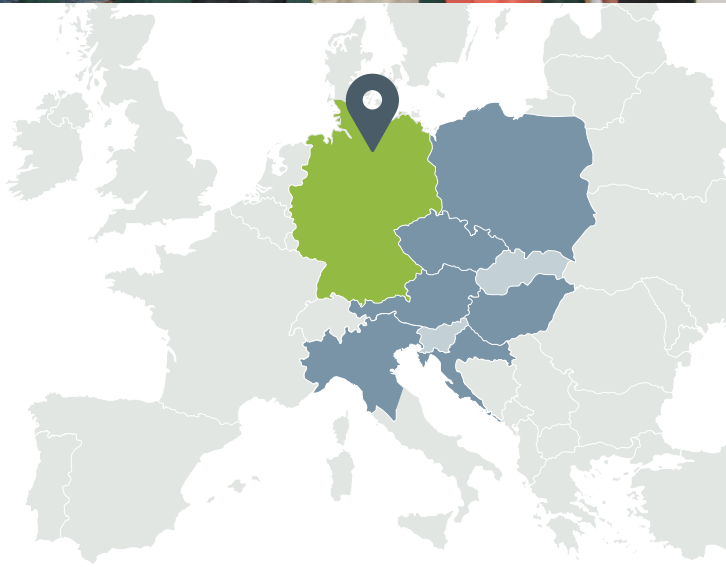


## Factsheet

Location:  
Bohlson

Technologies:  
Biomass

Number of participants:  
80



## About the project:

The idea was to make Bohlsen more independent, sustainable and future-proof. In 2016, a group of committed local residents founded the Renewable Energy Community BürgerEnergie Bohlsen eG as a cooperative - with the aim of creating a local heating network to supply their community with clean, locally generated heat. This vision has grown into a strong community project. The tariffs are designed to reflect the actual costs of operation - with no hidden charges. Rather than maximising profits, they invest in the long-term maintenance and further development of the local heating network - to ensure a secure, affordable and regional heat supply that the members can rely on. The cooperative is already founded and the district heating is already in use. 70 % of the heat is provided by a CHP using spelt husks from the local mill. 30 % is still coming from natural gas. Targets for the future are to attract new members and connect them to the district heating, and to find a local renewable source for the 30 % natural gas.

### Business Model

#### What is the goal? | Benefit of the REC

- supply of members with heat from central renewable sources

| How do you achieve the goal?   Key activities                                                                                                                                                                                                                                                                             | How is the service provided?   Sales and communication                                                                                                                                                                                             | What is needed to achieve the goal?   Key resources                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• search for suitable heat sources</li><li>• convincing members in the area</li><li>• laying the pipes for the district heat in the ground</li><li>• approval of the municipality</li><li>• prior consent and contracts with customers</li><li>• agreement for waste heat</li></ul> | <ul style="list-style-type: none"><li>• heat is generated by the local mill</li><li>• energy cooperative buys the heat</li><li>• energy cooperative operates the district heating</li><li>• energy cooperative sells heat to the members</li></ul> | <ul style="list-style-type: none"><li>• suitable heat source (industrial waste heat, solar thermal plant, geothermal plant, heat pump, biomass plant, cogeneration plant)</li><li>• Pipes</li><li>• government approval</li><li>• contracts</li></ul> |

#### What are the expected profits? | Earnings

- earnings from the sale of local heat (12,5 ct / kWh)

| Who should participate?   Co-owners                                  | What is the target group?   Customers                  |
|----------------------------------------------------------------------|--------------------------------------------------------|
| <ul style="list-style-type: none"><li>• private households</li></ul> | <ul style="list-style-type: none"><li>• SMEs</li></ul> |

#### What other stakeholders are needed? | Partners

- financing institute
- municipality
- mill company
- technical expert

#### What are the expected costs? | Expenditure

- ~ 686,000 Euro investment costs for district heating network, house connection stations and warm water storage

