

BürgerEnergiegenossenschaft Thüringer Becken eG

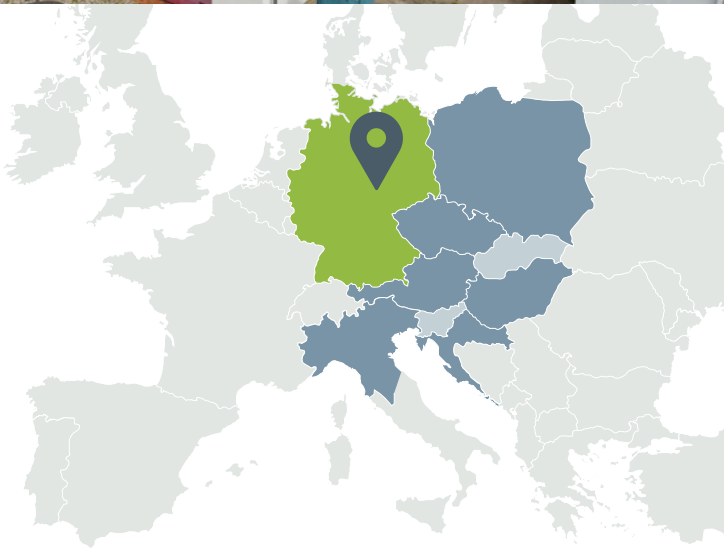


Factsheet

Location:
Rastenberg
(VG Koelleda)

Technologies:
Photovoltaics

Number of participants:
131



About the project:

The Renewable Energy Community BürgerEnergiegenossenschaft Thüringer Becken eG was founded in 2023. The REC is based in the town of Rastenberg in the district Verbandsgemeinde (VG) Koelleda. It operates regionally in the municipalities of the district. The idea was born out of a desire to actively participate in shaping the energy transition in the local region and to involve the local population in the process. It has approx. 210 kWp photovoltaic roof systems and 1.28 MWp ground-mounted photovoltaic systems in operation. Approx. 367 kWp are in planning or under construction. The existing photovoltaic systems should now be integrated in the conversion of the decentralised heat supply of selected municipal buildings to heat pump technology. Integration of existing PV systems for partial self-supply and considerations on the topic of energy sharing Economic and technical consideration of operator models (such as self-implementation, heat contracting).

Business Model

What is the goal? | Benefit of the REC

- to integrate existing photovoltaic systems in the conversion of the decentralised heat supply of selected municipal buildings to heat pump technology

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
● energy sharing	● partial self-supply ● self-implementation ● heat contracting	● existing photovoltaic systems ● legal agreements ● technical infrastructure ● heat pumps ● smart meter

What are the expected profits? | Earnings

- revenue from the heat contract between cooperative and municipalities (heat contracting)
- revenue from the electricity contract between cooperative and municipalities (Energy sharing)

Who should participate? Co-owners	What is the target group? Customers
● municipalities ● cooperative	● municipalities

What other stakeholders are needed? | Partners

- financing institute
- municipalities
- other members of the cooperative as investors

What are the expected costs? | Expenditure

- Not yet known. The economic feasibility study still needs to be finalised. This includes the municipal decision, commissioning and, ultimately, implementation.

