



Barmwisch-Bramfeld, Hamburg

Energy Improvement District (EID) at a glance



© Steffen Sperlich

Location	Hamburg, Hamburg, DE
Area:	0.2 km ²
Inhabitants:	2,000 residents
Buildings:	900 apartments in prefabricated housing blocks from the 1970s
Functions:	almost exclusively residential, with a childrens' daycare facility, a school and a small retail and service centre
Ownership:	predominantly cooperative housing (7 different housing associations), around 50 private owners, public owners (day care facility and school)

Vision and goals

“Green Barmwisch-Bramfeld”

- to reduce final energy demand by 20 % by 2020 and to reduce primary energy demand by 80 % by 2050, from 2008 levels.
- to make climate protection visible and to enhance the attractiveness of the area through urban greening efforts (e.g. facades and roofs).

EID Potentials

The envisioned goal of reduced energy consumption can be achieved by combining energy saving measures with the use of renewable heat energy. To realise this, a holistic approach should be implemented in the EID, which comprises the following technical aspects:

- efficiency enhancement of outdated heating systems in cooperation with public and private stakeholders;
- extension of the existing heating network in cooperation with public energy network operators as a basis for a decentralised energy supply approach and linking of energy sectors (power and heat);

Expected results

The project activities are interlinked with a municipal climate protection project, a city-wide climate plan and an upcoming district level climate plan. Together the projects will pioneer solutions to meet challenges in conceptual energy planning at neighborhood and district level. They will do so by forming networks with relevant stakeholders and developing innovative cross-sectoral approaches. A Climate Protection Manager will be appointed to implement measures both at the municipal level and to form part of the EID process.

- implementation of Combined Heat Power infrastructure and facilities, and
- introduction of on-site renewable energy production, especially solar energy systems which have a great potential on large roof surfaces.

These measures will be implemented with the support of financial incentives and through the activation of a wide stakeholder network within the EID and beyond (i.e. housing associations, energy suppliers and municipal stakeholders). Cross funding opportunities to support the initiatives will also be explored.