

LOW-CARBON ENERGY PLAN of Savilahti district

City of Kuopio, Finland

Abstract No: 043

Rationale

Project finds possibilities to use renewable and cost-effective energy solutions to reduce greenhouse gas emissions at district level.

The main solutions using renewable and cost effective energy solutions in Savilahti are:

- **Solar energy:** local potential to produce 30 % of the Savilahti's electric power need.
- **Geothermal energy:** In new buildings 50 % of the heat is possible to produce by using geothermal energy.
- **District cooling:** Kuopion Energia* plans to build district cooling network between 30 m deep Neulalahti bay and Kuopio University Hospital.
- **District heating:** Kuopion Energia* district heating network covers most of the Savilahti area. It's also possible to use low-temperature heating network.

* energy company owned by the City of Kuopio

Conclusions

The main result of the project will be a scheduled roadmap. It identifies the **main components for the energy-efficient and low-carbon planning in the area**. The results can be applied in similar projects elsewhere.

savilahti.com/savilahti-project

FUNDING AND COLLABORATION

SaVE is part of Savilahti-project. SaVE implements Programme for Sustainable Growth and Jobs, which is part of European Regional Development Fund. SaVE is funded by the Centre for Economic Development, Transport and the Environment and cooperation partners.

KUOPIO

 Centre for Economic Development,
Transport and the Environment

Leverage from
the EU
2014–2020


European Union
European Regional
Development Fund



SAVILAHTI district in Kuopio, Finland

The most extensive urban planning and development project in Eastern Finland. In the middle of Kuopio next to the city centre, Savilahti district will be comfortable and healthy area for residential, educational and working purposes for 34 000 persons by the year 2030. We'll plan Savilahti sustainably, skillfully and together.