

# Härmälä, Tampere

## Energy Improvement District (EID) at a glance



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Location:	Tampere, Pirkanmaa, FI
Area:	3 km <sup>2</sup>
Inhabitants:	8,000 residents
Buildings:	538 detached houses, 33 terraced houses, 194 multi-family blocks
Functions:	mixed functions including residential areas, schools and other public functions, local supply and industrial use
Ownership:	90% private, 10% public

## Vision and goals

“Carbon neutral Härmälä 2030“

- to reduce carbon emissions by 80% until 2030, compared to the 1990 level.
- to compensate the remaining 20% through local compensation measures.

## EID Potentials

The transformation of Härmälä into a carbon neutral district by 2030 requires drastic reduction of emissions from transport, heating and other sources. In AREA 21, the focus is placed on reduction of emissions in residential buildings. The project activities in Energy Improvement District Härmälä will showcase how improved stakeholder cooperation and new ICT tools for real-time energy consumption monitoring can contribute to reducing emissions and change behaviour. This could be a role model for both other districts and other carbon emitters than residential areas. The goal of becoming carbon neutral builds upon four major potentials:

## Expected results

The activities in Härmälä EID directly contribute to fulfilling the city-wide strategy “carbon neutral Tampere 2030”. This refers not only to the direct impact of individual measures, but also to their catalyst function, meaning that many of the activities developed as part of the EID could serve as blueprint for the whole city.

- promotion of energy-efficient renovations in the Energy Improvement District, especially in multi-family residential blocks;
- better balance of demand and supply through the introduction of demand-response applications, based on ICT tools developed in the project;
- increased usage of geothermal heat in buildings heated by oil; and
- all these potentials are closely interrelated to an intensified cooperation of relevant stakeholders, as they concern the interests of various groups such as city authorities, energy suppliers and building owners.