

Lahti

Renovation site

Hollolankatu 3, Lahti

Renovation measure

Leanheat heating control system



LAHDENTALOT



Basic information

Building type

Residential apartment building

Number of residential apartments

47

Year of construction

1951

Contractor/supplier

Lahti Energia Oy

Renovation time

The beginning of 2021

Measures implemented with project funding

Leanheat heating control system (apartment-specific measurement of conditions and replacement of the heat regulator)

Initial situation

Calculatory emissions tCO₂/year

121,7

Energy consumption, heating MWh/year

568,4

Energy consumption, electricity MWh/year

72,4

Energy efficiency class

E

Impact

Calculatory emission reduction tCO₂/year

9,1

Change in energy consumption, heating MWh/year

- 45,6

Change in electricity consumption, electricity MWh/year

0

Energy efficiency class after

E

Realized emission reduction 09/2022–08/2023

10,9 tCO₂/year

Costs

Project measures

Contract and equipment costs

7 200 €

Change in calculatory energy costs per year

- 2 466 €

Change in realized energy costs per year 09/2022–08/2023

- 1 772 €

Calculatory emission reduction costs

793 €/tCO₂

Realized emission reduction costs 09/2022–08/2023

662 €/tCO₂

Calculatory payback period

2,9 years

Leanheat heating is controlled
in real time remotely and
automatically utilizing the
weather forecast information

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