

# 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 tCO<sub>2</sub>/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 tCO<sub>2</sub>/year

**9,1**

Calculatory change in energy consumption, heating MWh/year

**- 45,6**

Calculatory change in energy consumption, electricity MWh/year

**0**

Energy efficiency class after

**E**

Realized emission reduction  
09/2022–08/2023

**10,9 tCO<sub>2</sub>/vuosi**

Realized emission reduction  
09/2023–08/2024

**12,4 tCO<sub>2</sub>/vuosi**

# Costs

## Project measures

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Contract and equipment costs

**7 200 €**

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Change in calculatory energy costs per year

**- 2 466 €**

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Change in realized energy costs per year

09/2022–08/2023

09/2023–08/2024

**- 1 772 €**

**- 5 971 €**

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Calculatory emission reduction costs

**793 €/tCO<sub>2</sub>**

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Realized emission reduction costs

09/2022–08/2023

09/2023–08/2024

**662 €/tCO<sub>2</sub>**

**581 €/tCO<sub>2</sub>**

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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