

Lahti

Renovation site

Alokkaankatu 2 / Kuriirinkatu 1, Lahti

Renovation measure

Room-specific intelligent heating
control system



LAHDENTALOT



Basic information

Building type

6 townhouses

Number of residential apartments

22

Year of construction

1992

Contractor/supplier

Fourdeg Oy

Renovation time

Spring 2021

Measures implemented with project funding

Installing room-specific heating control system (intelligent electrically adjustable radiator thermostats)

Other measures

Renewing windows and exterior doors, additional insulation of the upper sole

Initial situation

Calculatory emissions tCO₂/year

58,5

Energy consumption, heating MWh/year

287,8

Energy consumption, electricity MWh/year

10,7

Energy efficiency class

D

Impact

Calculatory emission reduction tCO₂/year

17,3

Change in energy consumption, heating MWh/year

- 86,7

Change in electricity consumption, electricity MWh/year

0

Energy efficiency class after

C

Realized emission reduction NOTE! Follow-up period in progress.

0,0 tCO₂/year

Costs

Project measures

Contract and equipment costs

9 481 €

Change in calculatory energy costs per year

- 1 172 €

Calculatory emission reduction costs

2 118 €/tCO₂

All measures

Contract and equipment costs

193 720 €

Change in calculatory energy costs per year

- 4 516 €

Change in realized energy costs per year
NOTE! Follow-up period in progress.

0 €

Calculatory emission reduction costs

11 230 €/tCO₂

Realized emission reduction costs
NOTE! Follow-up period in progress.

0 €/tCO₂

Calculatory payback period

8,1 years

Room-specific heating control improved the living experience

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