

Lahti

Renovation site

Soratie 7, Nastola

Renovation measure

Renewing the ventilation system



LAHDENTALOT



Basic information

Building type

Residential apartment building

Number of residential apartments

17

Year of construction

1987

Contractor/supplier

**Hämeen kiinteistö-
automaatio**

Renovation time

Summer 2021

Measures implemented with project funding

Renewing the ventilation system (renewing exhaust fans and improving control)

Initial situation

Calculatory emissions
tCO₂/year

37,3

Energy consumption,
heating MWh/year

178,7

Energy consumption,
electricity MWh/year

14,3

Energy efficiency class

E

Impact

Calculatory emission
reduction tCO₂/year

1,2

Calculatory change in energy
consumption, heating MWh/year

- 5,2

Calculatory change in energy
consumption, electricity MWh/year

- 1,1

Energy efficiency class after

D

Realized emission reduction
09/2022–08/2023

5,3 tCO₂/year

Realized emission reduction
09/2023–08/2024

6,3 tCO₂/year

Costs

Project measures

Contract and equipment costs

3 800 €

Change in calculatory energy costs per year

- 379 €

Change in realized energy costs per year

09/2022–08/2023

09/2023–08/2024

- 1 550 €

- 2 840 €

Calculatory emission reduction costs

3 289 €/tCO₂

Realized emission reduction costs

09/2022–08/2023

09/2023–08/2024

712 €/tCO₂

607 €/tCO₂

Calculatory payback period

10,0 years

At the site, the ventilation system was renewed, and can now be infinitely adjusted according to needs

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