

# Lahti

Renovation site

## Soratie 5, Nastola

**Renovation measure**  
Water saving solutions



**LAHDENTALOT**



## Basic information

Building type

**Residential apartment building**

Number of residential apartments

**26**

Year of construction

**1997**

Contractor/supplier

**Innotek Oy**

Renovation time

**Fall 2021**

## Measures implemented with project funding

Water saving solutions (equipping water fixtures with flow reducing nozzles and shower heads and maintenance of toilet seats)

## Initial situation

Calculatory emissions tCO<sub>2</sub>/year

**47,2**

Energy consumption, heating MWh/year

**229,0**

Energy consumption, electricity MWh/year

**13,7**

Energy efficiency class

**E**

## Impact

Calculatory emission reduction tCO<sub>2</sub>/year

**1,1**

Change in energy consumption, heating MWh/year

**- 5,3**

Change in electricity consumption, electricity MWh/year

**0**

Energy efficiency class after

**E**

Realized emission reduction 09/2022–08/2023

**10,8 tCO<sub>2</sub>/year**

## Costs

### Project measures

---

Contract and equipment costs

**1 480 €**

---

Change in calculatory energy costs per year

**- 281 €**

---

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

**- 3 753 €**

---

Calculatory emission reduction costs

**1 396 €/tCO<sub>2</sub>**

---

Realized emission reduction costs 09/2022–08/2023

**137 €/tCO<sub>2</sub>**

Calculatory payback period

**5,3 years**

The costs of analyzing the water system and replacing water fixtures paid for themselves quickly in lower water and heating energy bills

This report has been carried out with the financial contribution of the LIFE Programme of the European Union. The report reflects only the CANEMURE project's view, and the CINEA/European Commission is not responsible for any use that may be made of the information it contains.