

Context Context and and objectives of the project

- **Husby Terrasse, Norway, consist of 110 apartments, erected in the middle of 1970.**
- **Outdated technical installations and poor performance in the building envelope**
- **High potentials for improving indoor air quality**
- **Objectives of the project:**
 - Reduce energy demand from by 50 % from 250 kWh/m² yr to 125 kWh/m² yr
 - Improve indoor air and temperature quality
 - Contribute to a better LCC in a standard renovation project
 - Demonstrate innovation and promote replication
 - Contribute in a municipal sustainability project

Improvement compared to standard renovation

- **Adding insulation in walls, floor and roof**
- **New windows and balcony door**
- **Changing the ventilation from a mechanical exhaust system to a balanced system with heat recovery**
- **Installation of a ventilation and temperature controlling system**

Husby Terrasse.



Feedback from this survey shows a remarkable accordance between calculated and measured energy-values.

