

Introduction

PRELUDE

Aims to improve buildings smartness through:

- Minimization of energy utilization;
- Maximization of self-consumption and Renewable Energy Sources investment and personalization;
- Reduction of CO2 footprint;
- Improvement of comfortable and healthy indoor conditions.

This will be possible through the combination of **innovative, smart, low-cost solutions** and proactive optimization service.

 prelude-project.eu

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Partners



Prescient building Operation utilizing
Real Time data for
Energy Dynamic Optimization

Smart solutions for sustainable buildings



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Impacts



Key features

Demo Cases

- **Maintenance cost reductions** with high level of performance rather than waiting for something to fail.
- **Decrease of energy use** in buildings through application of technologies .
- **Improved indoor environment quality** and user satisfaction.
- **High replication potential:** by 2027, approximately 5.5 million m2 of residential heated area will be optimized.
- **Optimisation of the use of RES** by increasing their value and their consequent use and investment.

● **Versatile and adaptive**

● **Passive solutions**

● **Predictive maintenance**

● **Big data and advanced analytic tools**

● **Proactive optimization**



LOCATION OF THE SITE

PARTNER

Geneva, Switzerland....	CPEG / Estia
Turin, Italy.....	IREN / POLITO
Kraków, Poland.....	BLOK ARCHITEKCI
Ry, Denmark	Aalborg Univ.
Egersund, Denmark...	Aalborg Univ.
Athenes, Greece.....	DAEM
Aalborg, Denmark.....	Aalborg Univ.