

Low-energy consumption systems for buildings

Twin cities
municipality

Description

Wide range of cloud based Artificial Intelligence (AI) driven tools, that can operate on browsers and phone applications, to predict next day energy production and recommend saving measures.

Objectives

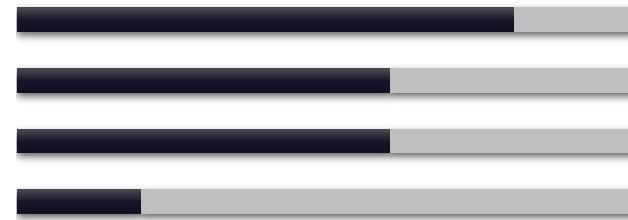
- To measure the quantity of energy available, in order to exploit the maximum work during the process,
- To develop an effective and comprehensive technical management to ensure the successful execution of the project,
- To demonstrate the feasibility and applicability of prediction models on large scale sites, based on the AI Energy's neural network frameworks for predicting energy.

Activities

- Sustainability assessment:
 - Exergy analysis.

Challenges

- Input data complex to collect
- Technical knowledge required
- Legal & legislation barriers
- Technology readiness level



Added values

- 18% of CO₂ savings,
- 22,1% increasing of exergy efficiency,
- Significant impact in a building's energy consumption envelope.

