



TEF BUILD Node

TEF BUILD focuses on leveraging Building Energy Management Systems (BEMS) and advanced data analytics to facilitate better informed decision making. The node is based in Athens, Greece, and aims to achieve higher energy efficiency across private and public buildings.

Greece



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Project Coordinator

Dr. Elissaios Sarmas [EPU]
esarmas@epu.ntua.gr

Prof. Vaggelis Marinakis [EPU]
vmarinakis@epu.ntua.gr

Services

01

Energy Efficiency Scoring

This AI service assigns a quantitative efficiency score to each municipal building by comparing its actual energy performance to similar buildings in the city.

02

Building PV Self-Consumption Optimization

The PV Self-Consumption Optimization service uses AI to maximize the use of locally generated solar energy within municipal buildings.

03

Building Energy Consumption Forecasting

Building Energy Consumption Forecasting service uses historical energy bills, building characteristics, real-time data from smart meters and seasonal patterns to forecast electricity consumption for municipal buildings.

04

Building Energy Consumption Anomaly Detection

The Building Energy Consumption Anomaly Detection service identifies unusual or unexpected patterns in municipal building energy usage by analyzing historical consumption data.

05

Building Demand Response Optimization

The Building Demand Response Optimization service uses AI to identify opportunities for municipal buildings to reduce or shift electricity consumption during peak demand periods.

06

Battery Storage Optimization & Simulation

The Battery Storage Optimization & Simulation service uses AI to model how installing battery systems can enhance energy performance in municipal buildings with PV installations.



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