



Get to know other
services offered by
the MATRYCS
Toolbox



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MATRYCS

Modular Big Data
Applications for
Holistic Energy
Services in Buildings



**ENERGY
EFFICIENT
REFURBISHMENT
ACTIONS OF
BUILDINGS**

OBJECTIVES



- To assess actual building performance from an energy and sustainable perspective
- To support design of energy efficient refurbishments
- To evaluate different renovation scenarios and associated KPIs
- To select the most sustainable renovation actions

ANALYTICS SERVICES



- Digital Twin
- KPIs calculation
- Energy Conversion Measurements
- Support financing of energy efficient refurbishments

TARGET AUDIENCE



- Designers
- Architects
- Engineers
- Building owners



BENEFITS



We are able to gather various building data such as geometrical data or indoor air quality and energy performance.

We identify the trade-off between cost and energy savings of different Energy Conservation Measures through a dynamic calibrated simulation process.

We reduce the energy performance gap of implemented renovation actions



We compare the buildings performance against the available building stock, filtered by nation and building typology.

