



APPLICATION CATEGORY: DESIGN

Design, refurbishment and development of building infrastructure

Innovative business models for design of retrofitting actions in building and district level.

Challenges

- ◆ Reliable and close-to-reality design process
- ◆ Eliminate human errors in the renovation designs
- ◆ Inaccuracies in evaluation methods of retrofit actions
- ◆ Inefficient District Heating Network design and operation



Services

- ◆ Performance KPI calculation
- ◆ Building infrastructure technology catalogues
- ◆ Energy Conservation Measures
- ◆ Energy prediction
- ◆ Optimisation of Network Operation
- ◆ Digital Twin



Benefits

- 1 Sustainable building assessment
- 2 Accurate evaluation of renovation actions
- 3 Optimised District Heating Network operation
- 4 Enhanced design and performance of District Heating Network



Building Value Chain

Building designers
Architectures
Energy managers
Local authorities
SMEs
Facility managers
Real estate owners
Renovation contractors
EPC issuers
Building owners