Sustainable Roof Extension Retrofit for High-Rise Social Housing in Europe

SURE-FIT

This project has resulted in energy savings by promoting cutting-edge technology with roof-top retrofitting. Tailor-made guidelines have been developed, including small scale renewable energy installations. The SuRE-FIT approach can trigger improvements across Europe in terms of energy performance, financial resources, building areas and refurbishment methods.

Results

- Tailor-made process models and implementation guidelines of sustainable roof-top extension retrofit
- Presentation/demonstration of virtual projects and case studies in several European countries
- Conceptual designs for possible new roof-top extension retrofit pilot projects
- Detailed programme of requirements, proposed design solutions and schemes and for roof-top extension retrofit

Lesson learned

- An obstacle that was often reported was delay of the process caused by inadequate communication with the tenants.
- Most of the buildings suitable for SuRE-Fit rooftop extensions were built between 1960 and 1980. This group of buildings is usually badly insulated which offers big opportunities for energy savings by applying the SuRE-FIT concept.
- Improvement of existing buildings can give the whole area a boost with new facilities and services. Roof-top extension can help catalyse further refurbishments.

Partners and coordinator

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<tr>
<th>Partner Name</th>
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<tr>
<td>DEMO van Delft Modelontwikking B.V.</td>
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Slovenska technicka univerzita [14] Slovakia
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Budget

Overall budget: 1,594,575,00 € (EU contribution: 50,00 %)

Key documents

- It's a SURE-FIT: An approach to building on top [17]
  PDF 855.29 KB

In brief

Sector: Buildings

Duration: 01/01/2007 to 31/03/2009

Contract number: EISAV/EIE/06/068/2006

Tags:

building
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