EU HE Project: Renovation packagEs for HOlistic improvement of EU's bUildingS Efficiency, maximizing RES generation and cost-effectiveness - REHOUSE

The main objective of REHOUSE is to develop and demonstrate 8 renovation packages of promising technology innovations until TRL7. The renovation packages are designed for a wide range of building renovation actions, including deep renovations, aimed at overcoming the main barriers currently slowing down the renovation in EU. Renovation packages will improve sustainability of buildings from an energy point of view, also considering structural safety.

Objectives

Develop 8 renovation packages (RP) applied to 4 demo buildings) to serve to a variety of renovation processes, ranging from simple renovations to large-scale deep renovations, such as, for example:

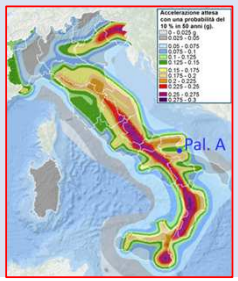
- Multipurpose façade system with bio-based insulation and BIPV - BIPV easy-to-install cladding and aesthetic panels coupled with hemp-based insulation (RP5).
- Centralized holistic H&C renovation kit - Centralized air-to-water reversible heat pump (fed by PV panels) stratified bio-based PCM thermal storage system (RP4).

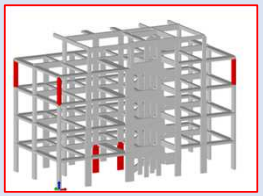
Call: HORIZON-CL5-2021-D4-02
Topic: HORIZON-CL5-2021-D4-02-02
Type of Action: HORIZON Innovation Actions
Acronym: REHOUSE
Duration: 48 months
Start Date: 2022-10-01
Estimated Project Costs: € 12.561.346,95
Requested EU Contribution: € 10.016.536,45

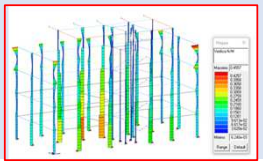
UNIBAS Contact: Dr. Giuseppe SANTARSIERO, giuseppe.santarsiero@unibas.it
UNIBAS working group: Prof. Angelo Masi, Dr. Vincenzo Manfredi, Eng. Giuseppe Ventura, Eng. Valentina Picciano

Italian demo in Margherita di Savoia (BT)

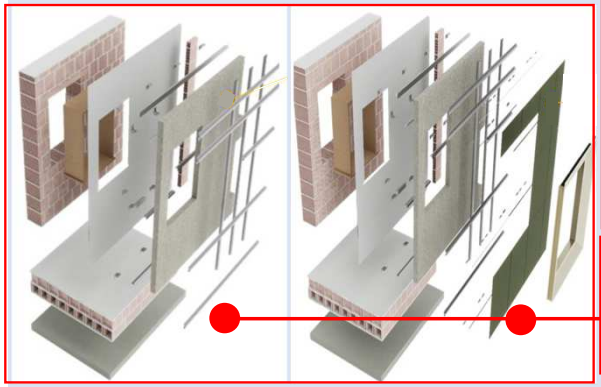
Seismic assessment and retrofit of the Italian demo building







REHOUSE - Demosites



Multipurpose facade with biocanapa insultation panels and photovoltaic skin (RI Group)

https://rehouse-project.eu/

Co-funded by the European Union

This project has received funding from European Climate, Infrastructure and Environment Executive Agency under the grant agreement No:101079951.