

# Towards an innovative and collaborative refurbishment ecosystem for Europe

## An innovative refurbishment ecosystem for Near Zero Energy Building in Europe

REZBUILD project (*Refurbishment decision making platform through advanced technologies for near Zero Energy Building Renovation*) is a new European initiative funded by the Horizon2020 Programme of the European Commission that grows with the main aim of defining an innovative and collaborative refurbishment ecosystem for transforming RE assets into Near Zero Energy Building (NZEB).

# 13

PARTNERS

# 5

EU COUNTRIES

# 3

DEMOS IN SPAIN, ITALY AND NORWAY

# +9

€M OF BUDGET



IN ONE CLICK

**Project**  
 REZBUILD

**Programme**  
 H2020

**Period**  
 2017-2021

**Sector**  
 CONSTRUCTION ENERGY

**Web**  
[www.rezbuildproject.eu](http://www.rezbuildproject.eu)

01

### The Challenge

REZBUILD will promote innovation in the construction sector with the integration of technologies to achieve the goal of an annual renewal rate of 2.5%, above the current one, lower than 1%, the reduction of 60% of primary energy consumption, as well as 30% of installation time invested compared to a traditional rehabilitation.

02

### Solutions

In order to achieve these goals REZBUILD will base its refurbishment ecosystem with the integration of cost-effective technologies, business models and life cycle interaction to diverse residential renovation typologies and interconnecting both, building renovation stages and stakeholders. A multi-collaborative framework within a refurbishment methodology managed by an Agile Project Management tool based on cloud service, capable to interconnect in real-time the key steps of a tailored retrofitting plan among all stakeholders involved within the building renovation value chain.

03

### Impacts

Decision making tools will be performed in order to validate the best optimized cost-effective refurbishment technology package in 3 different European scenarios (Spain, Norway and Italy), each one with a different representative climate and tipology of building. This all-in-one decision making platform will communicate all stakeholders involved in the housing renovation process from designers, refurbishment to private consumer and public / private owners. Key stakeholders groups and local communities will be involved in the project through social innovation actions.



**REZBUILD will create an ecosystem of collaborative renovation that is easy to customize and implement in accordance with the various renovation rates of buildings in any European country or even beyond European borders**

**Daniel Magni**

RESPONSABLE PROGRAMAS EUROPEOS, SEDE MADRID

