Deep retrofits made faster, cheaper and more reliable

OUR MISSION

Confronting inefficiency in existing buildings by pairing prefabrication and streamlined processes with the rigour of the EnerPHit Standard for renovations according to Passive House principles.

OUR OBJECTIVES

- Lowering barriers for deep retrofit such as costs, complexity and time
- Demonstrating the successful execution of highly efficient deep retrofits in real projects across Europe

OUR APPROACH

- INTEGRATING the use of streamlined processes and pre-fabricated elements with the high performance of the EnerPHit Standard
- SUPPORTING building component suppliers to further improve their products for use in deep retrofits to the EnerPHit Standard
- CRAFTING a certification scheme for whole house renovation systems as well as tools and guides to support decision making
- DRAFTING simplified monitoring and approval concepts for the renovation design stage
- ENCOURAGING a one-stop-shop business model for deep renovation by collaborating with local contractors and building users.
- BOOSTING demand for streamlined, high performance approaches by involving stakeholders in the promotion of findings

OUR ACTIVITIES

Improving renovation systems | Providing technical equipment packages | Developing contracting concepts and tender documents | Producing deep renovation guidelines | Issuing design-stage approval concepts | Crafting renovation system and performance certification schemes | Monitoring financial and technical success | Creating a network of local authorities on building | Supporting manufacturers in component optimisation

KEY FACTS

Project Lead
Passive House Institute

Project Partners
10 organisations from 7 countries

Project Duration
36 months, until August 2023

Overall Budget
€2.5 million

Funding Authority
European Union, via the Horizon 2020 programme

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