

outPHit

Deep Renovation Projects more reliable, faster and cheaper One-stop-shop renovation and Energiesprong with Passive House principles

Objectives

- Demonstrate the successful implementation of highly efficient deep retrofit principles in real renovation projects across Europe.
- Contribute to the European energy efficiency goals by setting best practices for the refurbishment of the building stock.

Results

- Completed refurbishment a minimum of 10 residential buildings across Europe 2022.
- Simplified success monitoring.
- Decision making support tools and guidelines.
- Worldwide dissemination of projects results.

Proposed Activities

Suggestion of:

- suitable renovation systems
- technical equipment packages
- contracting concepts and tender documents
- deep renovation guidelines

Provision of:

- Design-Stage approval concepts
- Renovation-System certification
- Verified performance certification scheme
- Financial and technical success monitoring
- Local authorities network
- Manufacturer support



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 957175

Before and after net zero refurbishment



Key Facts

Implementing Agency	<i>outPHit Consortium led by Passive House Institute</i>
Project Duration	<i>36 months, until August 2023</i>
Project Locations	<i>Madrid, Athens, Tilburg, Breda, Gießen, St. Johann</i>
Overall Budget	<i>2.50 Mio. €</i>
Funding Authority	<i>European Union's Horizon 2020 programme</i>
Partners	<i>10 partners, from 7 countries across Europe</i>

Passive House Institute

The Passive House Institute was founded in 1996 as an independent research institute in Darmstadt. The institute developed the concept of low-cost passive houses and carries out scientific research in the areas of simulation, monitoring and evaluation and supports the development of highly efficient building concepts and components worldwide. The Passive House Institute and the growing worldwide Passive House Network independent partners are acknowledged providers of quality assurance and training courses in the areas of passive house buildings and deep renovation (EnerPHit)