

What is HAPPEN?

HAPPEN is a EU-funded project that develops and rolls out the MedZEB approach:

a tailored, holistic, transparent and adaptive strategy aimed to foster the market uptake of the deep energy retrofitting of the Mediterranean residential built environment.

TAILORED:

aimed to provide solutions dedicated to the Mediterranean markets

HOLISTIC:

aimed to integrate the most relevant aspects of the retrofitting supply and value chain, such as engagement and training, optimal solutions, financing and regulation

TRANSPARENT:

aimed to put on the market new tools for enhancing investors' trust

ADAPTIVE

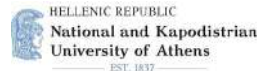
aimed to enhance "added values" for the retrofitting, such as well-being, social relations, optimal use of resources, district scale approach, smart integration, etc.

HAPPEN Partners

HAPPEN is carried out by 13 partners coming from Italy, France, Spain, Greece, Croatia, Slovenia and Cyprus.



Consiglio Nazionale delle Ricerche



**Promoting the deep renovation
of residential buildings
in the Mediterranean area**



Platform and website:

www.medzeb-happen.eu

Follow us!



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 735072

HAPPEN outputs

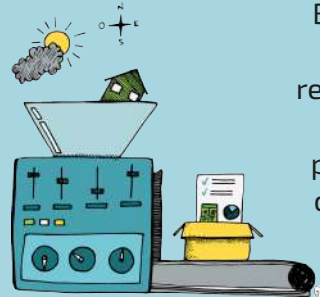
HAPPEN platform

The HAPPEN platform is aimed to empower the rollout and uptake of the MedZEB approach by providing the main actors of the renovation market (such as Owners, Professionals and Influencers) with dedicated digital tools, based on the HAPPEN outputs.

The platform is conceived as an assisted digital marketplace aimed to match demand and offer in the Med retrofit markets and to defragment the value&supply chains, in order to support the creation of the HAPPEN community of interest and practice on the deep energy retrofit of the Med residential built environment.



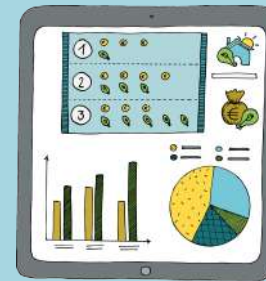
Cost-optimal technical solutions



Based on a set of climatic zones, reference buildings and renovation measures extended to the Med area, cost-optimal packages of solutions have been calculated, aimed to support the development of step-by-step renovation roadmaps.

Innovative financial solution

The financial solution will support a step-by-step renovation approach aiming to cover the costs through the energy savings achieved; this will allow minimizing the initial investment, while starting to benefit from the renovation since the very beginning.



MedZEB Protocol & Voluntary Certification Scheme



The MedZEB Protocol provides a guarantee scheme for the good execution of the retrofit process along the whole supply chain. The MedZEB Voluntary Certification Scheme is a dynamic tool, aimed to assess the compliance of each renovation step with respect to the MedZEB Protocol requirements.

Training and engagement

Training modules have been developed as part of the engagement approach adopted in the HAPPEN Living Labs, aimed to raise awareness about energy saving opportunities, to inform about HAPPEN, and to offer in-depth knowledge on the MedZEB approach.



HAPPEN Pilot sites

In each partner country, HAPPEN will test and evaluate its outputs on one or more pilot buildings, by implementing the HAPPEN program towards deep renovation. This will allow to build a library of success stories related to the application of the MedZEB approach.



HAPPEN Living Labs

In each pilot site, a Living Lab has been activated since the beginning of the project, so to offer to the participants the chance of contributing to the development of the HAPPEN outputs, and of experiencing a concrete case study.