



Press Release
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EBENTO Project Marks a Strong First Year, Laying the Foundations for Smarter Building Renovation

Valencia, November 2023— After its first year of activity, the EBENTO project has made significant progress in establishing the foundations for a more efficient, data-driven and people-centred approach to building renovation across Europe.

Funded under Horizon Europe, EBENTO is developing innovative solutions to support energy-efficient building renovation, with a particular focus on Energy Performance Contracts (EnPCs) and digital tools that can help stakeholders manage the renovation process from assessment to implementation and verification.

“The first year has been about building the foundations for EBENTO's innovative approach: understanding the challenges faced by homeowners, energy service providers and other stakeholders involved in building renovation; defining the requirements and listening to the needs of our pilot communities. The knowledge and data gathered at this stage will be essential to turning the project's digital solutions into practical tools for better building renovation” highlights ETRA I+D, as project coordinator.

But also, a key part of this work involved identifying use cases and defining the technical and functional requirements needed to develop the project's solutions. The use cases were designed around the specific needs identified across EBENTO's four pilot sites — Valencia (Spain), Athens (Greece), Tallinn (Estonia) and Manchester (United Kingdom) — as well as the requirements associated with Energy Performance Contracts.

One of the project's central objectives is to demonstrate how home energy management and accurate monitoring can improve the reliability of renovation results. By combining data, digital technologies and contract management, EBENTO aims to make it easier to verify whether the expected energy and performance improvements are actually achieved throughout the renovation process.

This approach will also support the transparent and efficient management of performance contracts, making use of innovative digital tools to follow their progress and verify results.

Engaging homeowners from the beginning

Alongside the technical work, EBENTO's pilot sites began an equally important process: engaging homeowners and building users.

The pilot activities are designed to increase awareness of the importance of building renovation and encourage more responsible energy use. Understanding the behaviour, needs and expectations of building users is essential to ensuring that renovation solutions deliver meaningful benefits in practice.

To establish a clear starting point, the partners also began collecting baseline data on the buildings and their users. This information will provide the basis for assessing the current situation and measuring the impact of the solutions developed by EBENTO.

From data to renovation decisions

The data collected in the pilots will be analysed through the project's One-Stop-Shop (OSS) platform, which brings together several digital tools designed to support different stages of the renovation process.

These include the Monitoring Module, which supports the collection and analysis of building and energy-related data; the Simulation Module, which enables the assessment of physical and economic renovation scenarios; and the Building Performance Contract Module, which supports the management and verification of performance-based renovation contracts.

By bringing these capabilities together, EBENTO aims to provide stakeholders with a more comprehensive understanding of building performance and help them make better-informed renovation decisions.

Looking ahead

With the foundations now in place, EBENTO will move into the next phase of development and pilot implementation. The knowledge gathered during the first year will guide the continued development and testing of the One-Stop-Shop platform and its modules across the four pilot locations.

About EBENTO

EBENTO (Energy efficiency Building Enhancement through performance guarantee Tools) is a Horizon Europe-funded project led by ETRA I+D, is aiming to develop an integrated platform for all actors involved in building and renovation sector to provide one-stop-shop to better coordinate and manage Energy Performance Contracting, bringing together the needs from all actors involved in enhancing the building stock.

For more information, visit: <https://ebentoproject.eu/>



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