

OpenBEP4EU – Research Project Fact Sheet

Title of Project	Towards an Open, Universal and Comprehensive Building Energy Performance Certification - ongoing
Project Acronym	OpenBEP4EU
Funding Program	LIFE-2023-CET
Project Identifier	LIFE-2023-CET-BETTERRENO
Total Budget/EUT Budget	2086884 € / 240750 €
Starting – Ending Date	09/2024 – 02/2027
Consortium	<ol style="list-style-type: none"> 1. European Dynamics Luxembourg Sa LU 2. Que Technologies Kefalaiouchiki Etaireia EL 3. Ephyia Tech Ltd CY 4. Symvoulio Aeiforion Ktirion Elladas EL 5. Epb Center B.V. NL 6. Enersave Capital Sarl LU 7. Verband Deutscher Maschinen- Und Anlagenbau DE 8. European Green Cities Aps DK 9. Federation Europeenne Des Services En Efficacite E BE
Project Objectives	<p>Inspired by the deep renovation wave in Europe towards the enhancement of the EU building stock in terms of sustainable indices and energy efficiency, openBEP4EU will follow a standards-based implementation approach that facilitates the collaborative development of interconnected components promoting improved data accessibility, reliability, consistency, and impact of Energy Performance Certificates (EPCs). To this end, openBEP4EU aims to deliver an open-source, universal software implementation of the ISO 52000 standards family, namely the EU Kernel EPC Engine, to facilitate simultaneous and coordinated adoption of an innovative EPC calculation approach among all the Member States. This initiative aims to make building performance data easily accessible to various stakeholders like financial institutions, energy service providers, and building owners, fostering the development of financial products supporting sustainable renovation projects. Core elements of openBEP4EU's activities are the creation of an EPC Support Team to drive market adoption as well as a Sustainable Design Data Hub, aligned with the overarching goals of the European Bauhaus initiative, that not only serves as a data repository but also promotes collaboration and research for sustainable architecture and design. These activities will facilitate stakeholder engagement, contribute to improved EPC reliability, accuracy, accessibility, while paving the way for EPC market uptake across the EU Member States through well promotion strategies. All data sharing within this framework adheres to the principles of the Common European Energy Data Space, prioritizing sovereign data sharing and respecting data ownership among the involved stakeholders. openBEP4EU's framework will be extensively tested and then validated in five (5) different areas in Greece, Denmark, Spain, Cyprus and Switzerland, covering different climatic zones, building typologies, and EPC schemes.</p>
Work Packages	<p>WP1 – Project management and coordination</p> <p>WP2 – Implementation, delivery and demonstration of the EU kernel for EPC asset calculation</p> <p>WP3 – Improving inspection procedures and innovative services</p> <p>WP4 – The EPC support center and value added services</p> <p>WP5 – Sustainability, replication and exploitation of project results</p>
External Reference	https://www.openbep4.eu/
Role in the Project	Principal Investigator