

SmartBuilt4EU

Unlocking the smart building potential by bridging the gaps between innovation, markets and policy.



INSPIRATION

The building sector is one of the key enablers to achieve low carbon economy goals for 2050. To deliver this potential, buildings need to transform from passive isolated elements to smart buildings, able to adapt to occupants needs and act as active nodes well integrated to the energy grids and other infrastructures. The 2018 revised Energy Performance of Buildings Directive (EPBD) promotes the use of ICT and smart technology in buildings to streamline the existing rules. Smart technologies indeed play an essential role and can also trigger new business opportunities.

However, the market uptake and wide-scale roll-out of these solutions is slow due to challenges like engaging building occupants, connecting and managing various devices and systems, achieving optimal building operation, integrating buildings to energy markets, as well as the high fragmentation of the ecosystem. These challenges are common to projects related to the smart building topic and would be most efficiently addressed by breaking silos, sharing information and bridging the gaps between innovation, markets and policy.

INNOVATION

SmartBuilt4EU has the ambition to consolidate the Smart Building Innovation Community with, at its core, EU-funded projects, and provide it with a package of supporting activities with two objectives. The first is facilitate the exchange of information between EU-funded projects and national initiatives in the field of smart buildings and the related business, policy and media; The second goal of these activities is to coordinate contributions of the Smart Buildings Innovation Community to the SRI promotion, experimentation and implementation and the identification of R&I priorities to accelerate the roll out of smart building innovation, in line with the EPBD.

LIST will contribute to the taskforce looking at Interactions with users, including End-user awareness, acceptance and feedback, and smart solutions for health & well-being. Besides, LIST researchers will be involved in the actions promoting the Smart Readiness Indicator scheme, which is now officially part of the EPBD. As part of the project, it is expected to continue the testing of the SRI (including in Luxembourg) and to develop tools to support its deployment.

IMPACT

SmartBuilt4EU will unlock the smart building potential, with the Smart Readiness Indicator as key instrument by mapping and consolidating the Smart Buildings Innovation Community, as well as sharing know knowledge and organizing support activities. This European project, which brings together 5 partners and 5 linked third parties with solid complementary expertise, will also not only contribute to the promotion, experimentation and roll-out of the Smart Readiness Indicator for Buildings, but also prepare a Research and Innovation roadmap, associated to policy recommendations.

Partners

ASM (PL) , Cardiff University (UK) , Dowel innovation (FR) , ECTP (BE) , EURAC research (IT) , R2M Solution (FR) , TNO (NL) , VITO (BE) , VTT (FI)

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