



Smartness of historical buildings: approaches and lesson learnt from a real application

Training Session #31

Antonio GARRIDO MARIJUAN, Tecnalia, Spain

Luna NAVARRO, TU Delft, Italy

Andrea NATALE, Schneider Electric, Italy

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The approach will be practical and interactive proceeding from the real experience of the SMARTeeSTORY HEU project. The training session starts with a brief presentation of the trainers and of the SMARTeeSTORY project. Then the training will follow the following steps.

First, an introduction on Smart Readiness Indicator (SRI) methodology, its definition, scope and types of application is provided to the audience.

Then, the complexity of renovation and increasing efficiency of historical buildings is addressed. Following, the matching between energy efficiency potential and smartness is introduced via the application of SRI methodology.

Then the example of SMARTeeSTORY project is provided highlighting first the objectives set, the challenges encountered and the solution found.

The core of the training will focus on case studies from the project, showcasing concrete applications of SRI in historical contexts. Trainers would present specific examples where smart technologies were successfully integrated, discussing the technical, regulatory, and cultural hurdles encountered. Lessons learnt would be emphasised, such as the importance of stakeholder engagement, the adaptability of smart solutions to heritage constraints, and the measurable benefits in terms of decarbonisation and operational efficiency.

Interactive elements will be incorporated, including group discussions, exercises on SRI utilization, and Q&A sessions, allowing participants to share their perspectives and apply insights to their own contexts. The training would also provide practical guidance on using SRI assessment tools, interpreting results, and planning upgrades that respect both the historical value and the smartness potential of buildings.

By the end of the session, attendees would gain a comprehensive understanding of SRI's application to historical buildings, equipped with actionable strategies and a network of peers for ongoing support. This approach ensures the training is not only informative but also directly applicable to the challenges faced in the field.

Motivation

To overcome barriers against the renovation of historical buildings leveraging on automation of TBS increasing smartness

Target audience

Building managers, municipality administrative and responsible, technology providers, designers, technicians