



Newsletter #2 - April 2022

Dear readers,

Welcome back to INFINITE newsletter!

A year and a half has passed since we took the first steps towards the development of innovative and reliable technology for deep energy renovation. We are now entering a critical phase that will determine the outcomes of the project. We need to find the right balance between the needs and requirements of users, technology developers and the buildings that will be used to test INFINITE solutions.

In the following articles you can read about our most recent achievements in such sense. The market and stakeholder analysis performed by our partners will help us design renovation kits that can really meet the expectations of the users and can lead to better results in terms of energy savings.

The next challenge will be defining the most suitable technology and renovation strategies in the demonstration buildings. Our goal is to create renovation kits that are sustainable, affordable, and efficient. We will ensure this by analysing costs and impacts and by assessing the performance of INFINITE kits, first in labs, then in a real environment.

I wish you a good reading,

**Stefano Avesani**  
INFINITE Project Coordinator

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Designed to make the difference



**Understanding the demand-side requirements is the first step towards designing functional technology solutions. Over the past year, INFINITE partners carried out extensive research to fine-tune the project’s envelope kits for renovation**

Decarbonising the building stock is considered one of the top priorities by EU Members States, who are now dedicating part of the investments planned in their post-covid recovery plans to renovation actions.

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What’s new

**The importance of context analysis in assessing the social impacts of retrofitting technologies**

Investigating the social and socio-economic context of the building under renovation is crucial to evaluate the impact of retrofitting actions.

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**Technology to serve people**

The University of Ljubljana explains why knowing your future users matters when developing new energy efficient products.

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**The essential role of BIPV towards energy transition**

To meet the 2030 Climate Target Plan, buildings need to become more energy efficient and use renewable energy sources.

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Bits

- The project launched a survey to assess the social impacts of retrofitting technologies in the building renovation value chain.
- A beta testing version of INFINITE BIM platform was released internally among the project partners.
- The consortium tested the first prototypes of INFINITE kit components. More specifically: a ventilation machine produced by VORTICE, the SENSE bar for smart glazing control of PHYSEE, the colour and rendering of SUNAGE BIPV modules, and a BIST collector produced by ARAMIS.
- The next tests will take place at the end of May and will focus on RUBNER timber-based multifunctional façade, integrated with the kit components.
- The partners designed a pre-renovation monitoring system that will be installed in demo case buildings.
- A preliminary LCC analysis was conducted on the Italian demo to evaluate the calculation framework and highlight possible hotspots for the implementation of INFINITE technology in the demo cases.
- Following a series of workshops and discussions with INFINITE technology providers, partner GREENDELTA assessed the environmental impacts of the technology developed within the project.

Upcoming events

**25 - 29 Sep. 2022**  
**Kassel, Germany**  
[Eurosun 2022](#)

**19 - 22 June 2023**  
**Oslo, Norway**  
[World Conference on Timber Engineering](#)

Latest updates from our sister projects

ENSNARE second newsletter is out!

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PLURAL Event: 4th International Exhibition verde.tec

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