New European Bauhaus  
beautiful | sustainable | together

Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation packages, integrating RES and including re-used and recycled materials (Built4People)

HORIZON-CL5-2021-D4-02-02

Christof Marx  
CINEA
Scope

- Develop renovation solutions: applying predominantly re-used / recycled / bio-sourced construction materials / products; improve energy performance of buildings; requiring limited modifications to the building structure; passive and active functions; integration of RES; scalable; for different building types; demonstrating a high replication and industrial potential; using prefabricated components.

- Seek to integrate local sources of reused components and secondary raw materials (incl. urban mining).

- Develop testing methodologies; Model and test materials / components; Benchmark and monitor performance; Ensure compliance and cost-effectiveness; Contribute to standardisation and certification.
Scope

- Assess **risks** (major disruptive events). Consider aspects of aesthetics, historical value, architectural identity.
- Demonstrate **benefits** such as: reduced maintenance costs, improved indoor environment, user comfort, satisfaction, accessibility, sustainable use of resources, reuse at the end of service life.
- At least **3 large-scale demonstrations** of the solutions
Expected outcomes

• Increased **scale** and **productivity** in the renovation process: on-site construction / renovation work time (-30% to -50%).

• Improved building **performance**: insulation, air-tightness, indoor environment, user comfort and satisfaction, accessibility, embodied energy, emissions.

• Increased **attractiveness** of renovation for buildings owners and users. Improved **affordability** of sustainable renovation and RES systems.

• Increased deployment of built-in **renewable energy** solutions for heating, cooling, electricity generation.

• Increased share of **reused / recycled / biosourced** construction materials / products in building renovation.

• Faster uptake of EU-wide **standards** or **certification**.
Specific conditions

• **General eligibility criteria apply**
• Estimated EU contribution: EUR 9-11 million / project
• Total indicative budget: EUR 22 million
• Type of action: Innovation Action
• Exception to admissibility condition: page limit of 70 pages
• Expected TRL: 7 (at the end of the project)
• Funding rate: 60% (100% for non-profit legal entities)
Timing

- Opening: 02 Sep 2021
- Deadline: 25 Jan 2022

Funding and Tender Opportunities portal

IT Helpdesk, Research Enquiry Service, NCPs for Horizon Europe
Questions ?
Thank you!