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Building4Future

Project proposal title:

- **Innovative building solutions with reduced embodied energy and carbon, high life-cycle performance and reduced life-cycle costs**

Topic to be addressed:

- **More sustainable buildings with reduced embodied energy / carbon, high life-cycle performance and reduced life-cycle costs (Built4People)**
- **CALL's topic ID: HORIZON-CL5-2022-D4-02-05**

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- Project description :
- **The innovation project aims to demonstrate innovative technology solutions** which **will be strongly based on multi-functional prefabricated packages, integrating low embodied carbon products and solutions, (including those that are locally sourced and bio-based with low carbon impact and capturing / storing CO_2) and reused, recycled, upcycled materials and components.**
- Specific methods, models and tools will be demonstrated in order to evaluate performances, with a focus on thermal insulation, acoustic and hygrometric performance, durability.

- Current consortium (if any)
- Profile of the partners sought (type, skills, role, etc.)

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Current consortium :

- Politecnico di Milano, GBC , STRESS Scarl, U Ghent, Fraunhofer IBP, Federcostruzioni,

PRODUCERS

- RISEHOUSE, ETEX , MOBBLE

DEMO SITEs:

- ALER Milano, Ghent

Profile of the partners sought (type, skills, role, etc.)

- Windows producers using recycled materials,
- SW developpers for Digital logbook
- Demo site in south or north Europe

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- Prof. Bruno Daniotti, Politecnico di Milano (Italy)
- Department of Architecture, Built Environment and Construction Engineering (DABC)

Expertise of the department:

- science and technology for construction and the built environment;
- building and construction engineering;
- architectural and technological project in its various dimensions;
- history, protection, management and development of the built environment and landscape.

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