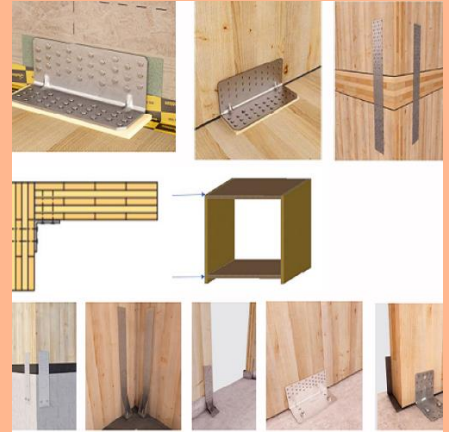


Focus topic - Circular design of wooden building materials

MODCONS project

The objective of the project is to develop solutions for building with wood using homegrown resources that are stackable, scalable, adaptable and reusable, using CLT Panels made with Irish Sitka Spruce. MODCONS also aims to design, develop and test sustainable prefabricated modular units; and optimise building performance for structural integrity and future deconstruction and reuse. The project is currently working on designing, prototyping and testing timber modular building units for their adaptive reusability of connections that allows their assembly and disassembly, and on the life cycle assessment and development of long-term strategy for a modular timber system, among others.



[Learn more](#)

Collaboration opportunities

- Partners for future research projects; actors managing projects in the built environment with embedded circularity (primarily with bio based materials); mass timber building developers, owners and contractors for use cases/case studies; and demonstrators of technology.
- Support for an Irish or European market study on the use of recovered material or “secondary wood”.

[Presentation \(PDF\)](#)

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