



Drastic

Demonstrating affordability,
sustainability and circularity

About Drastic

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Demonstrating Real and Affordable Sustainable Building Solutions with Top-level whole life cycle performance and Improved Circularity.

Drastic: supported by the EU (v/B4P)

23 partners

8 European countries

4 years

grant number: **101123330**



Drastic partners:

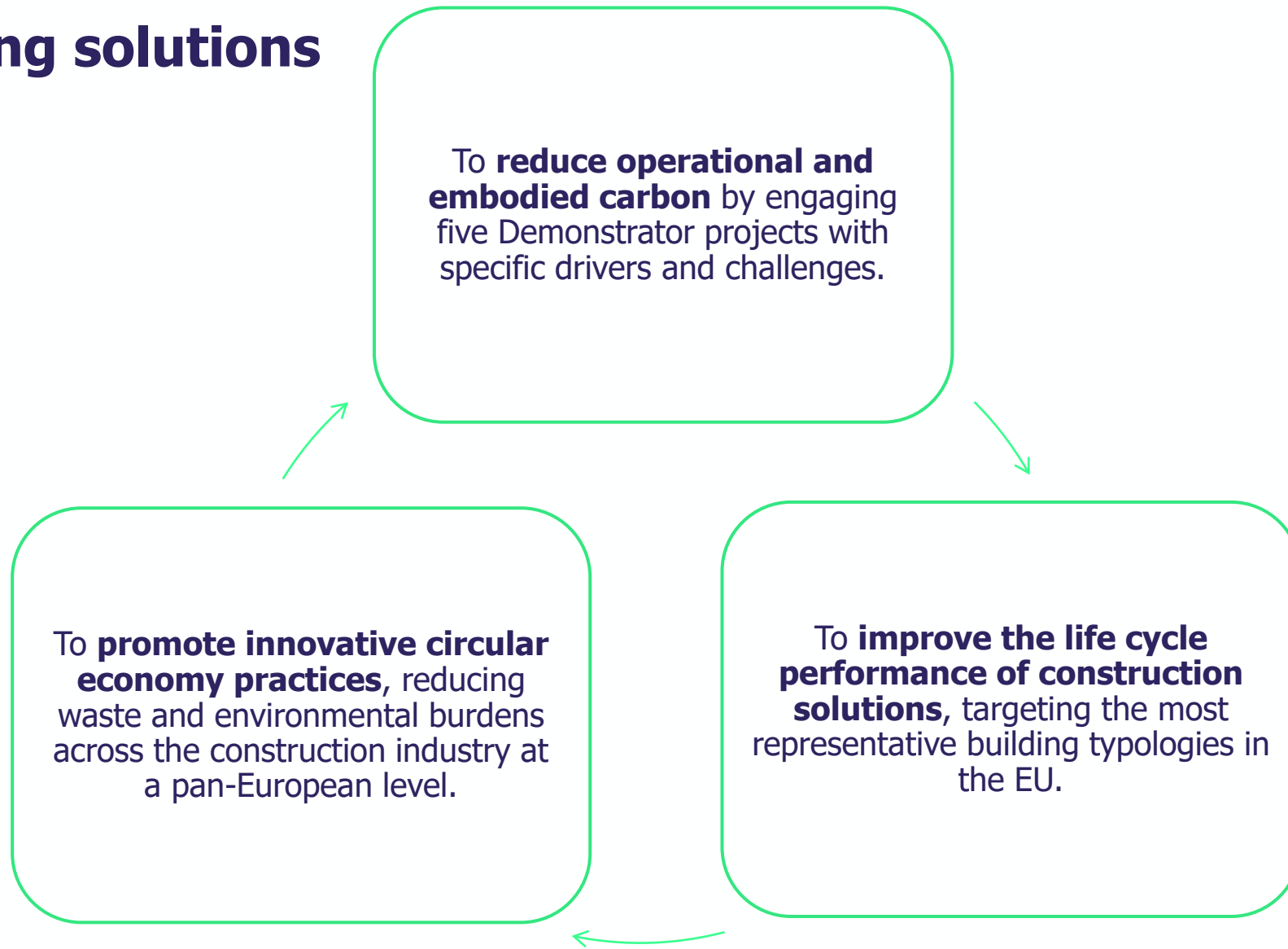


The Drastic project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101123330.



Co-funded by
the European Union

Showcasing solutions



Drastic Demonstrators

5 'Demonstrator' pilot projects

most impactful **building layers**

entire construction **value chain**

varied **geographical contexts**

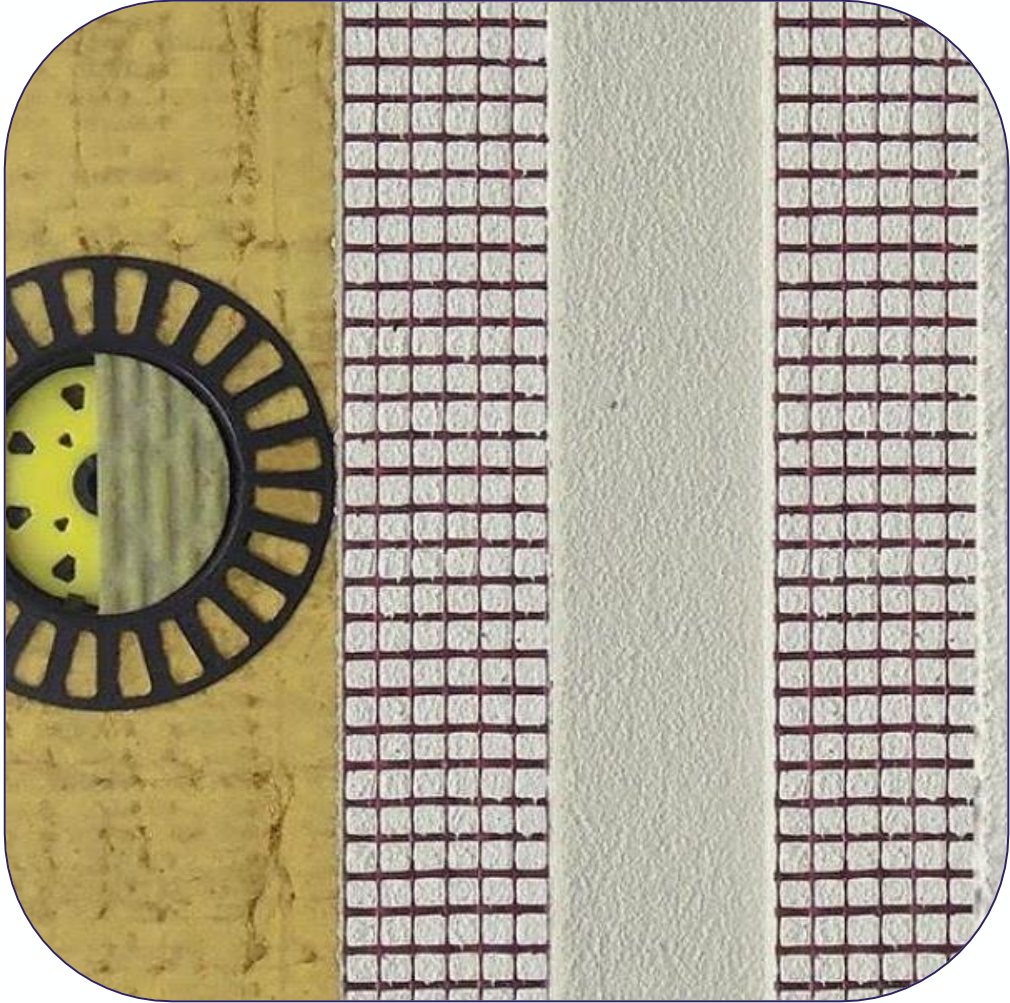


Demonstrators – Lleida, Spain



- **Partners:** Celsa Group, Lezama Demoliciones, Polytechnic University of Catalonia, Sorigué
- **Objective:** Reduce the environmental impact of cement and steel in building structures.
- **Current Situation:** No established system for disassembling and reusing structural steel; white slag from steelmaking is mostly waste.
- **Opportunity:** Reuse structural steel and repurpose white slag in concrete to lower environmental impact.

Demonstrators – Düsseldorf, Germany



- **Partners:** Saint-Gobain Weber, Saint-Gobain Isover
- **Objective:** Showcase a circular solution to improve thermal insulation in German apartment buildings.
- **Current Situation:** Many buildings lack proper insulation, and existing ETICS materials are non-reusable and non-recyclable.
- **Opportunity:** Develop a circular ETICS to boost energy efficiency in both new and existing buildings.

Demonstrators – Hønefoss, Norway



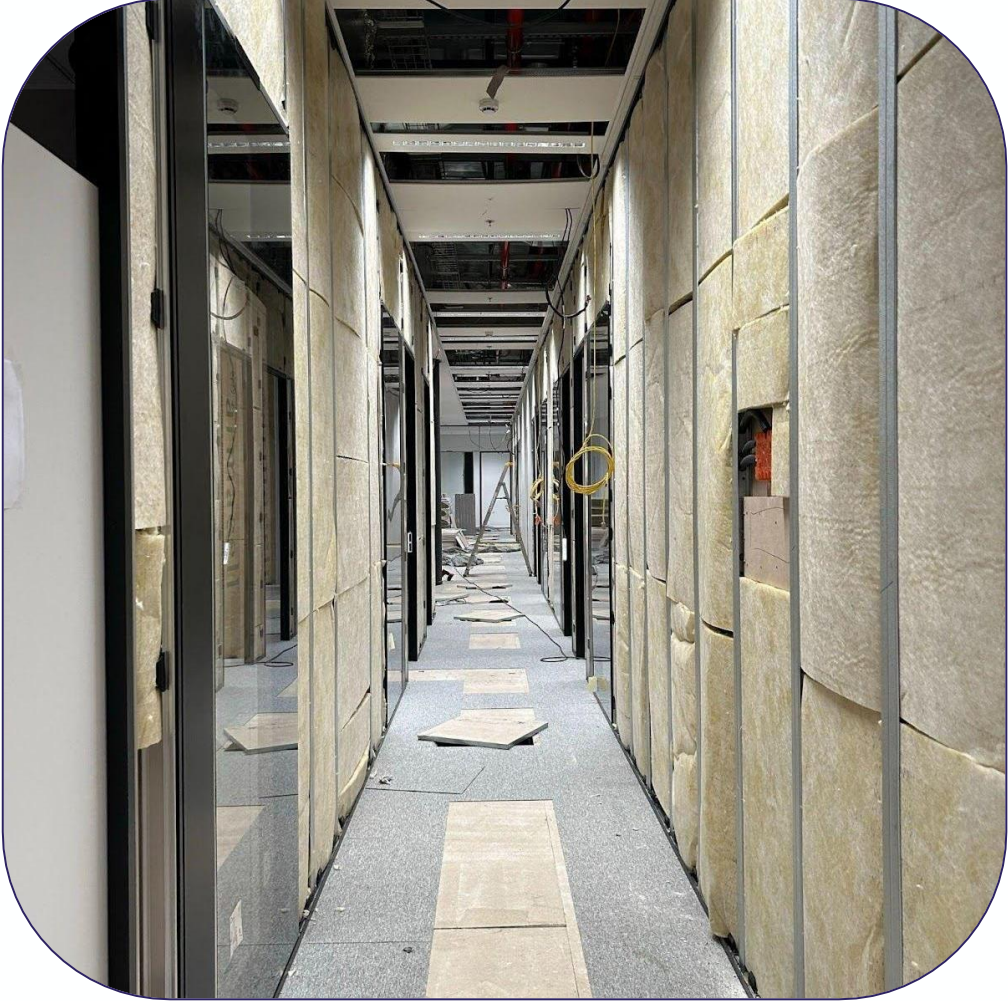
- **Partners:** Omtre, Produktif, Tallinn University of Technology (TalTech)
- **Objective:** Prove the viability of a multi-cycle, easy-fix building frame using reclaimed wood.
- **Current Situation:** Norway has a historic timber tradition, but timber reuse has shifted to recycling and incineration, with no cohesive ecosystem for multi-cycle reclamation.
- **Opportunity:** develop and validate a modular building frame with reclaimed wood, focusing on multi-cycle design, easy assembly, and disassembly, promoting sustainable timber construction.

Demonstrators – Rapla, Estonia



- **Partners:** Timbeco, Tallinn University of Technology (TalTech)
- **Objective:** Validate a deep energy renovation using circular principles in a multistorey apartment building.
- **Current Situation:** 82% of Estonian dwellings are privately owned, have low energy performance, and lack large-scale circular solutions.
- **Opportunity:** Develop and validate biobased, multi-cycle panels with energy generation to reduce energy use and scale circular solutions.

Demonstrators – Saint Denis, France



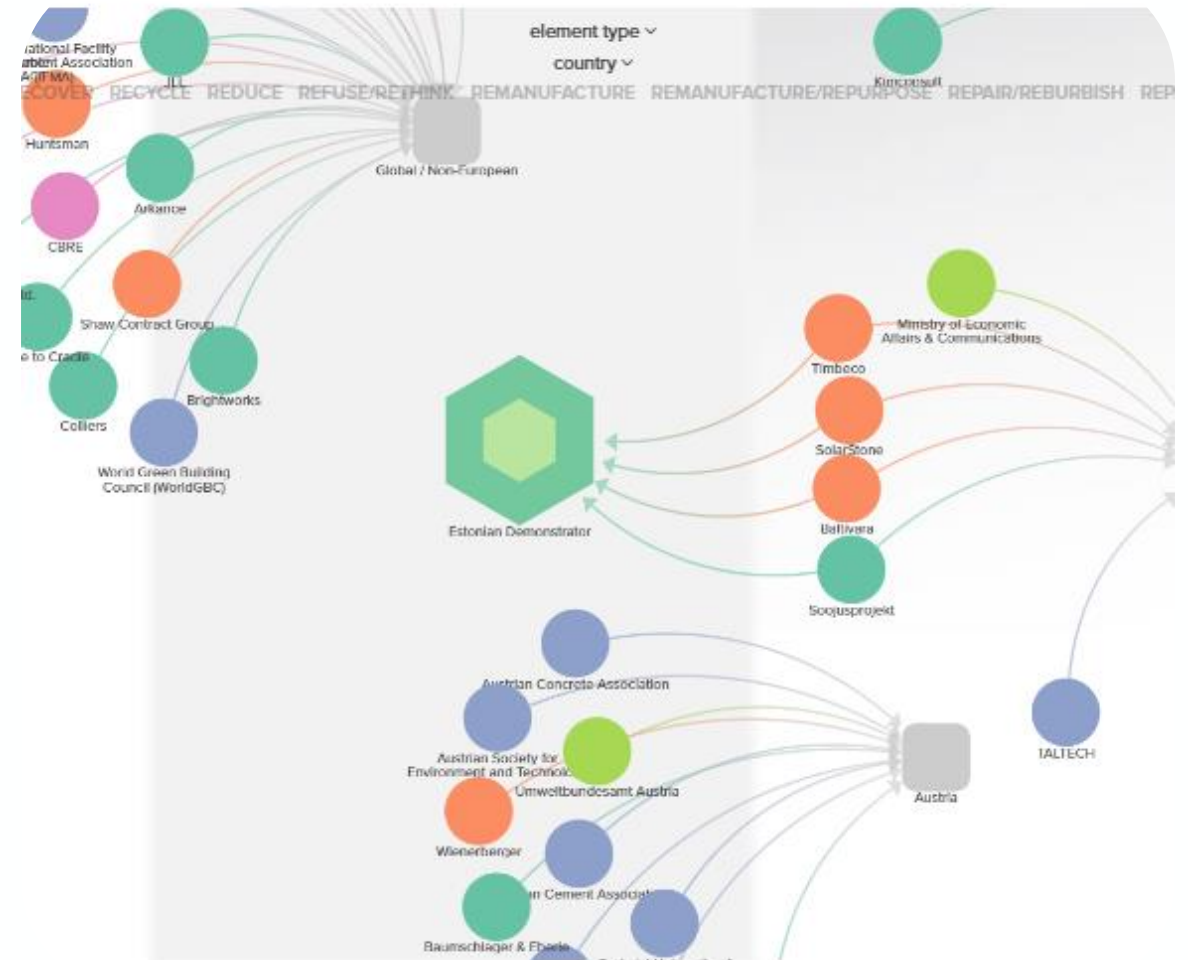
- **Partners:** Saint-Gobain, Clipper Coramine, Ecophon
- **Objective:** Prove the potential for reusing interior space products (e.g., ceiling tiles, partition walls) in office retrofits.
- **Current Situation:** Limited reuse of modular office walls and ceilings in France and Europe; most are incinerated or landfilled..
- **Opportunity:** Large-scale reuse could drive decarbonization and promote circular practices in the office retrofit sector.

Ecosystem creation: Drastic Stakeholder map

Free, crowd-sourced map of **businesses and organizations** involved in circular and sustainable construction.

Dynamic tool for visualizing relationships, guiding decisions, and **enhancing project outcomes**.

Available online: [Stakeholder map | Drastic \(drasticproject.eu\)](https://drasticproject.eu)

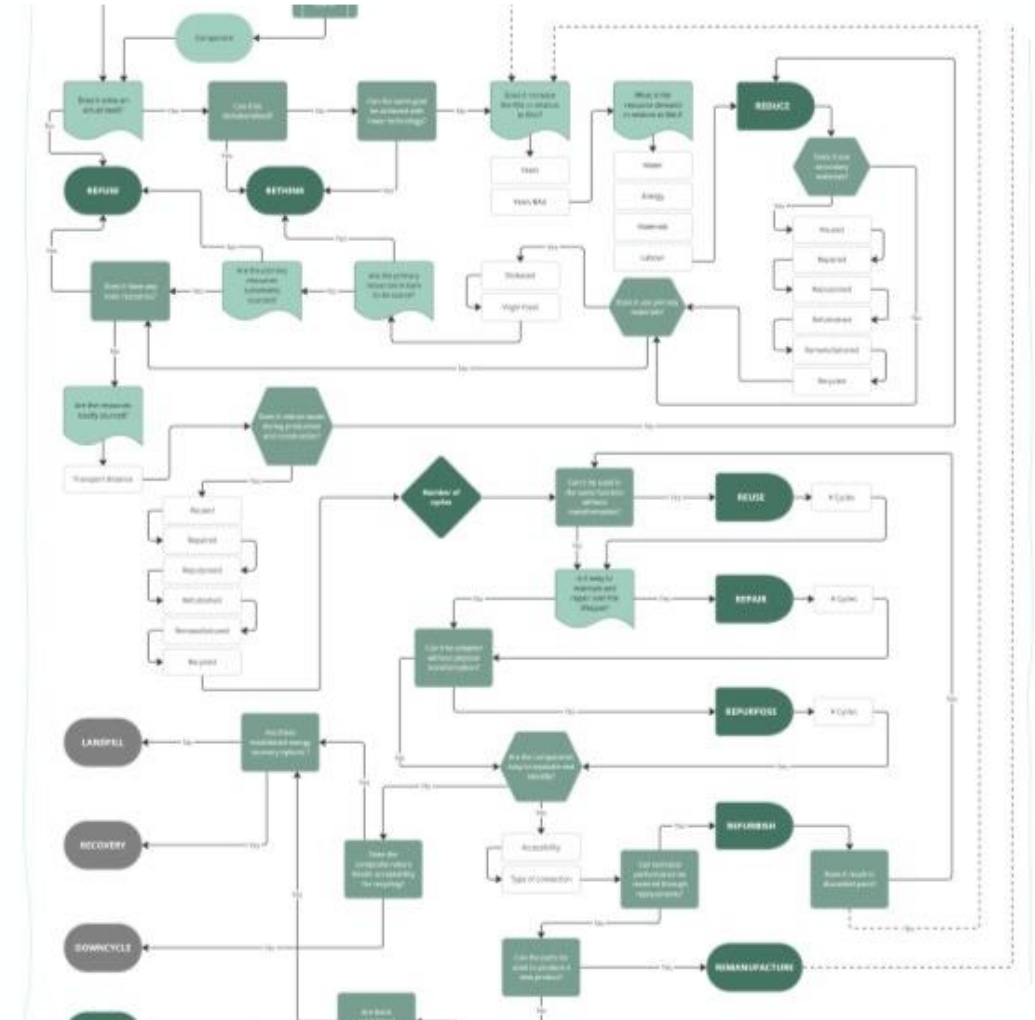


Guidance and performance assessment: Drastic Decision Tree

Primary **guidance tool** in the decision-making processes of product design.

Using qualitative, quantitative, and evidence-based indicators to **raise awareness, collect data, and ensure traceability**.

Available online: [Miro board](#)





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Thank you

Visit the Drastic website to learn more:

www.drasticproject.eu

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