OUR OBJECTIVE

Support the rapid uptake of 5G technologies, considering real industrial practices and constraints in the EU timber industry over the whole value chain, focusing on small-volume manufacturing industries.

Working closely with wood industries, 5G-Timber aims to increase wood-based materials recycling by 50%, increase productivity by 15%, reach 99% of the work done in the factory (vs. 85% today), reduce on-site work by 10%, reduce product non-conformities by 10%, and increase workers' safety in wooden houses production and onsite assembling.

WHAT WE WANT TO ACHIEVE

1. **Accelerate the twin green and digital transition** of the manufacturing and construction sectors.

2. Create **green, flexible and digital ways to build and produce goods.**

3. **Increase the attractiveness and safety** in manufacturing and construction jobs and point the way to opportunities that allow workers to upskill.

4. Set out a **credible pathway to contributing to climate neutral, circular, and digitalised energy intensive industries.**

5. **Increase productivity, innovation capacity, resilience, sustainability and global competitiveness** of European energy intensive industries.

6. Contribute to a **substantial reduction of waste and CO2 emissions.**

THE CONSORTIUM

The 5G-TIMBER consortium consists of 16 organisations from 10 countries.

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THE CONTEXT

It is expected that in the coming years, the implementation of 5G in the EU manufacturing sector will drive €458.3 billion in additional industry revenues and €131.8 billion in added GDP contributions. The use of 5G technology along with other enabling technologies, such as edge-computing and AI, can bring up to 20% to 30% increase in productivity. However, 5G and smart manufacturing are currently more widely adopted in verticals with high-volume, easily standardisable, low-margin business models where cost-savings and productivity efficiency are necessary to achieving economies of scale. The use of 5G, edge-computing AI by small and medium manufacturers is rare due to costly technological risks and lack of best practices.

CONTACT

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TWIN TRANSITION
FOR THE TIMBER INDUSTRY

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