

The concept of a circular economy and sustainable products currently have a modest impact on the market, and hence on the industry's end user, but with the growing awareness and necessity to have green, sustainable products, this impact will rapidly gain importance.

The production of green joists is extremely suitable for all wood-based panel producers as well as a host of other wood working processes where fresh wood chips are produced.



IMAL is a manufacturing company, leader in the supply of equipment and systems for the production and processing of particleboard, MDF, OSB, plywood, pallets and pallet blocks.



EIR is the newest entrant to the composite block manufacturing business in Europe. The plant is state of the art and the first of its kind to produce extruded pallet blocks from recycled wood.



Acimall is the Italian Woodworking Machinery and Tool Manufacturers Association. Its main mission is to promote the Italian industry abroad.



Chimar Hellas S.A. develops and provides technology and R&D services to the resin and wood-based panel industries, specifically technology for the industrial production of adhesive resins, the production of resin additives as well as technology for the application of said products in the industrial manufacture of wood panels.



The company works as a dealer / consultant for various machine manufacturers based in Italy, Germany, and Austria etc. The main knowledge is in all the different wood based panels such as MDF, Particleboard, OSB, Plywood, as well as all the different processes applied to the boards after manufacture, like lamination, veneering and so on.

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The Green Joist Project is a 48 month project co-financed by LIFE+, which is the European Union's financial instrument supporting environmental and nature conservation projects.
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<http://www.greenjoistproject.eu>



LIFE+ GREENJOIST aims at demonstrating the value and feasibility of an eco-innovative recycling process able to reuse and valorize wood waste to produce green, high quality and cost-effective joists to be used in different sectors such as manufacturing, transportation, logistics and construction.

By demonstrating a new eco-innovative product – 100% recycled wood joists – the LIFE+ GREENJOIST project will target three fundamental environmental problems, strongly in line with Europe's environmental and climate change policies and priorities as well as the recent Environment Action Programme for 2020.



Despite the technical complexities encountered in the course of the project, the target set has been successfully reached.

Thanks to the hard work and efforts put in by the team of partners, the prototype line is practically industrialized, and will soon be ready to launch on the market.

The green joist line embraces the concept of a circular economy, reutilizing and processing wood waste and trimmings as raw material to produce a new product, instead of utilizing it as biomass.