

# SUPPLE

A EUROPEAN

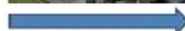
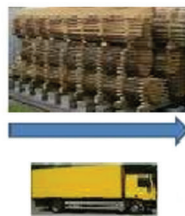
GREEN PALLET

SOLUTION

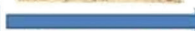
*SUPPLE: Sustainable Pallet Production  
for more efficient Logistics and improved Environmental benefit.  
Eco/13/630181*



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Initiative of the European Union



SmartLine™



# Objectives

The scope of SUPPLE Project is to realize pallet by manufacturing robotized line.

The smart-line production line can be placed anywhere in the pallet supply chain, providing actors with optimization in warehousing, full robotic intelligent control of pallet production and instant pallet dimensioning on-demand. The robotized manufacturing allows the production of pallets of various sizes with similar volumes as serial manufacturing, responding to the request of some factories for using hundreds of different sized pallets.

During the project the work packages will include a comprehensive testing and validation of Robonail pallet manufacturing facility in real environment. Both Robonail technology and turn-key ePac business model will be piloted in two different customer premises.

The Robonail technology is also validated through a third party analysis on the performance of the technology. A comprehensive Life-Cycle Analysis will be done for the whole value chain.

Sustainable growth and better forestry management.

A reduction of cutting wood using drums of reduced dimensions.

A new logic of packaging transport: less transportation, the company could produce the packaging directly in the site of the finished product.

Better logic of pallet delivery and reuse.

System of pallet burning (at end of life) for energy usage.

## Innovative Aspects

# EPAC

A STRATEGIC SOLUTION FOR OUTSOURCING MATERIAL VALUE CHAIN WITHIN PACKAGING



## Description of pilot project

- Fully robotized Just-In-Time pallet production facility: Robonail.
- Production of differently dimensioned pallets for the paper industry.
- Placement of the Robonail technology in customer premises for the locally production of pallets needed for goods.
- The turn-key business model: EPAC.
- Piloting of the Robonail technology in Italian and European markets.

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