

SUPPLE

Sustainable Pallet Production for more efficient Logistics and improved Environmental benefit

<http://www.suppleproject.eu/>

Davide Paradiso

FEFPEB Meeting - Krakow – May 11th - 12th, 2017

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 partly analysis on the performance of the technology. A comprehensive Life-Cycle Analysis will be done for the whole value chain.



INNOVATIVE ASPECTS

- 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.



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.



EPAC Business Model

EPAC

A STRATEGIC SOLUTION FOR OUTSOURCING MATERIAL VALUE CHAIN WITHIN PACKAGING



Partner



Earthpac offers a comprehensive packing-materials management service. Each year, Earthpac manufactures, markets and distributes about a million industrial logistics packages. Earthpac's role as Project Coordinator is to provide know-how of the Smartline technology and ePac business concept developed in SUPPLE project including management of field trials, support in pilot trials and overseeing knowledge transfer process.

www.earth-pac.com



EuroBox produces and sells expendable packages. Up to now, they have been dealing with automotive producers (such as Denso, Honda, Magneti Marelli, Ficomirrors), food and groceries enterprises (Tesco, Conad, Auchan, Despar) and textile producers (Golde Lady). With Denso and Honda, Eurobox organized JIT/kanban supplies on multiple daily deliveries. They deal with more than 1.000 part numbers of different packages: production, pre-assembling, palletizing, delivery by own trucks. Eurobox is Italian sales partner of UK Smurfit Kappa. In this SUPPLE project EuroBox will act as demonstration partner and potential user of Smartline technology and ePac business model representing small to medium size customer segment.

www.euroboximballaggi.it



Conlegno (Italian national wood and cork services consortium) is a private, no-profit consortium promoted by the Italian Associations for Industry, Trade and Small Business belonging to the wood sector and it counts about 900 associated companies in Italy. Consortium's mission is to promote the many uses of wood, from raw materials to finished products such as packaging, structural wood, implementing technical controls and legislative requirements and turn them into opportunities for member companies. In this project Conlegno will act as dissemination and business development partner.

www.conlegno.eu



Enco S.r.l. acts as a link with both European institutions and Enco's international network to develop partnerships and collaborations. Enco has specific skills and competences in the field of development and management of communication and dissemination strategies in EU projects. In this SUPPLE project Enco will act as dissemination and business development partner.

www.encosrl.it



**Thank you
Davide Paradiso**

For further information
info@earth-pac.com