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Technology,
computerization and
automation.

Panguaneta Spa
Italy

In partnership with:

With financial support
from the EU



Introduction:

Panguaneta Spa

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Company's Description:

Traditionally dealing with the processing and manufacturing of plywood and chipboards, over the years Panguaneta has become one of the most important European company of the sector, thanks to the expansion of its product range and the industrial sectors served. Today the company occupies a surface of 160,000 m², 30,000 of which covered. The company uses a product typical of the region: its rural landscape (from Sabbioneta to the River Po) is characterized by vast tracts of poplars creating picturesque woods and a typical skyline. The raw material is then transformed through an ecological "zero km" management of the supply chain. The company produces plywood for camper vans, DIY, boats, home furnishing, design, building, packaging, parquet flooring

Sub-sectors affected:

- X Board Manufacturing (1st Wood processing)
- X Industrial preparation (1st Wood processing)

Implementation Process:

The company is aware of the peculiarity of its territory, both from the natural and the historical point of view: Sabbioneta is a masterpiece of the Italian Renaissance recognized by UNESCO in 2008. It points to a low environmental impact poplar processing for an eco-sustainable development. It uses recycles production rejects, converting them into energy. It declares to adopt responsible industrial relations, to comply with quality certification systems for every product and to carry out a rigorous monitoring process of all critical points. The company underlines that it invests for the benefit of environment and health. Its polluting loads are below the limits allowed by European regulations and it collaborates with significant investments in the development of forest conservation and the use of marginal areas for cyclic plantation of poplars, contributing to the safeguard of nature and the river landscape.

Initiated practices:

Panganeta, traditionally linked to the processing and industrial production of plywood and wood products, is characterized now by a structural competitiveness of costs, thanks to a strategic planning and remarkable investments in technology, computerization and automation. The company top management relies on a strong technical and commercial team and qualified employees. Panganeta's raw material comes from its own cultivations or from certified plantations.

Results:

The company does not produce rejects but re-uses first production waste for the realization of chipboard panels and last production waste as biomass to produce energy. Panganeta stands out in the market as a reality strongly oriented towards resource conservation, sustainable development and eco-compatibility with reference to all its industrial dynamics. The Sabbioneta plant employs nearly two hundred people; but the significant driving role of the company in the local economy makes it possible to occupy a large number of other people in flourishing allied activities. Every year, the Panganeta supply chain generates a significant turnover for the benefit of the local economy; its sales place among the leading European companies of the sector. The whole cycle, from setting up to cultivation, from cutting to processing, is carried out within a limited geographical area. Panganeta has joined the forest certification system for wooded areas and their final products. The *good forest management* certification (issued by third party organizations) requires the assumption of specific responsibilities by both growers and transformers: both are wood keepers. This implies the recourse to specific management protocols for planting, cultivation, cutting and control of wood flows.

Recommendations:

Certifications: Production process (ISO 9001/2000), Products (CATAS E1 - CTBX No. 51 - CARB-CE2+), Chain of custody (FSC - PEFC).

Conclusions:

Ecology, Valorising a territory and its resources: natural, historical and human.

Keywords:

- X Forest
- X Footprint/blueprint
- X Processes
- X Marketing



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