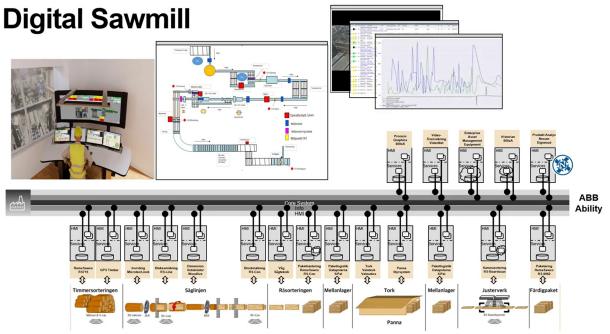
DigiWood | Digital sawmill traceability tools



DigiWood own products, with the family name Nexum, are focused on facilitating traceability from timberlog to board or finished end customer product, integration of existing hardware and software and products for analysis of all collected data.

The Digital Sawmill is a project is funded by Vinnova and the participating companies Moelven Industrier, RemaSawco, Schneider Electric, RISE and DigiWood. The aim of the project was to, by digitizing the sawmill's production and process data, increase the process efficiency by 15%, increase the product value by 10% and reduce energy consumption by 10%. Digitization is a complicated project that takes time and requires resources. It is essential to focus on the goals set. Careful planning is required of: plant inventory, installation in stages, demanding deployment with parallel systems for new automated connections. Digitization projects start with details, continue with details and even more detail, with clear goals of a result of shaping a unified unit. Massive skills challenge. Visualize more, with less monitoring screens.Take control of data flows and take ownership of your own data.Platforms that handle data need to be tested in a harsh environment before. Different systems that measure time, energy or dimension need to be synchronized onsite, and with periodicity calibrated against "approved" similar.Traceability in saw lines can be achieved with redundant systems that measure length with the addition of timestamp. A calculation shows a potential increase in value of approximately SEK 5 million per year.

MORE DETAILS

CHALLENGE ADDRESSED

6.- Grow the forest-based bioeconomy through circular use and value-added products

KEYWORDS

sawmilling; industry 4.0

COUNTRY OF ORIGIN

Sweden

DOMAIN

Inventory, monitoring

Products, markets, trade

Innovation management, hubs, clusters

DIGITAL SOLUTION

Yes

SCALE OF APPLICATION

Continental

TYPE OF SOLUTION

Networks, testbeds, R&D platforms

INNOVATION

Yes

START AND END YEAR

2017 -

CONTACT DATA

OWNER OR AUTHOR

Paper Province

Mikael Jakobsson

mikael@digiwood.se

www.digiwood.se

REPORTER

Paper Province

Joar Stensløkken

j.stenslokken@paperprovince.com

REFERENCES AND RESOURCES

MAIN WEBSITE

http://digiwood.se/

PROJECT WEBSITE

--

PROJECT REFERENCE

--

RESOURCES

--

LOGO OF BEST PRACTICE

DigiWood
Index is to find

LOGO OF MAIN ORGANIZATION

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

12 Aug 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León