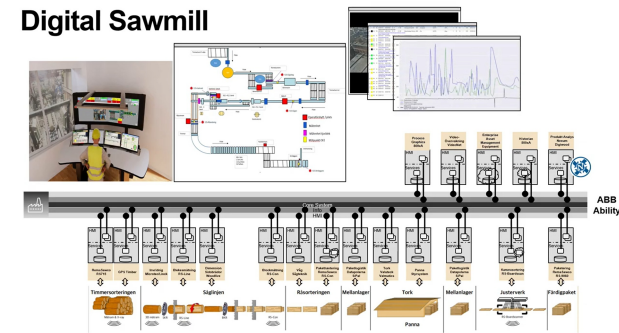


DigiWood | Digital sawmill traceability tools



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 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.

PLUS DE DÉTAILS

DÉFI CONCERNÉ

6. Faire grandir la bioéconomie basée sur la forêt à travers les circuits courts et les produits à valeur ajoutée

MOTS-CLÉS

sawmilling; industry 4.0

PAYS D'ORIGINE

Suède

DOMAINE

Inventaire, diagnostic, monitoring

Produits, marchés, commerce

Gestion de l'innovation, hubs digitaux, clusters, exploitation (transversale)

SOLUTION DIGITALE

Oui

ECHELLE D'APPLICATION

Continentale

TYPE DE SOLUTION

Réseaux, plateformes d'essai, plateformes R&D

INNOVATION

Oui

DÉBUT ET FIN D'ANNÉE

2017 -

INFORMATIONS DE CONTACT

PROPRIÉTAIRE OU AUTEUR

Paper Province

Mikael Jakobsson

mikael@digiwood.se

www.digiwood.se

RAPPORTEUR

Paper Province

Joar Stensløkken

j.stenslokker@paperprovince.com

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

<http://digiwood.se/>

SITE WEB DU PROJET

--

RÉFÉRENCE DU PROJET

--

RESSOURCES

--

LOGO DE LA BONNE
PRATIQUE

LOGO DE L'ORGANISATION
PRINCIPALE



PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRéÉE

Rosewood 4.0

DATE DE PUBLICATION

12 août 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

