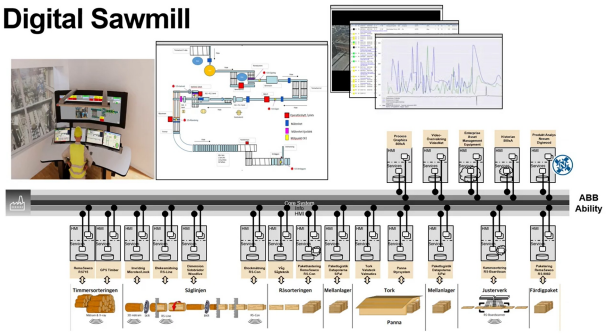
DigiWood | Digital sawmill traceability tools



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.

Più DETTAGLI

SFIDA RISOLTA

6. Far crescere bioeconomia foresta a base attraverso l'uso circolare e prodotti a valore aggiunto

DOMINIO

Inventario, la valutazione, il monitoraggio
Prodotti, mercati, il commercio
gestione dell'innovazione, mozzi digitali, cluster, sfruttamento (trasversale)

TIPO DI SOLUZIONE

Reti, banchi di prova, le piattaforme di ricerca e sviluppo

PAROLE CHIAVE

sawmilling; industry 4.0

SOLUZIONE DIGITALE

Sì

INNOVAZIONE

Sì

PAESE D'ORIGINE

Svezia

SCALA DI APPLICAZIONE

Continentale

INIZIO E FINE ANNO

2017 -

CONTATTI

PROPRIETARIO O AUTORE

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REFERENCES AND RESOURCES

SITO PRINCIPALE

http://digiwood.se/

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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RISORSE

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LOGO DELLE MIGLIORI PRATICHE

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

DigiWood
Index is to find

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

12 Ago 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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