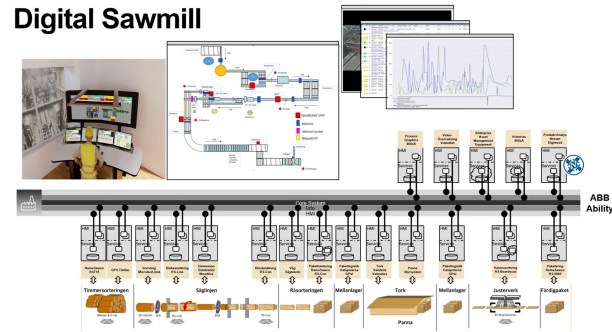


DigiWood | Digital sawmill traceability tools

Digital Sawmill



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.

MAIS DETALHES

DESAFIO ABORDADO

6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado

PALAVRAS-CHAVE

sawmilling; industry 4.0

PAÍS DE ORIGEM

Suécia

DOMÍNIO

Inventário, avaliação e monitorização

Produtos, mercados e comércio

Inovações na gestão , pólos digitais, agrupamentos, exploração (transversal)

SOLUÇÃO DIGITAL

Sim

ESCALA DE APLICAÇÃO

Continental

TIPO DE SOLUÇÃO

Redes, plataformas de teste, plataformas de desenvolvimento e investigação

INOVAÇÃO

Sim

ANO DE INÍCIO E FIM

2017 -

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

<http://digiwood.se/>

WEBSITE DO PROJETO

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REFERÊNCIA AO PROJETO

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RECURSOS

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LOGOTIPO DA BOA PRÁTICA

LOGOTIPO DA ORGANIZAÇÃO PRINCIPAL



PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Ago 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

