UNILIN panels | Furniture boards produced from recovered wood



Post-consumer wood from urban areas is collected, cleaned and processed in high tech recycling plants to re-convert into viable raw material for quality board products for furniture and interior use.

UNILIN represents one of the most advanced recycling systems for valorizing post-consumer wood waste streams on large industrial scale. It relies on an established collection system and supplier network. Cascading wood reduces the need for fresh roundwood and prolongs the carbon capture. Particle boards from recovered wood are a prime case for Circular Economy in the sector. Highlights of innovative features :

- Large investments in high tech sorting and cleaning equipment enables the processing of huge volumes of demolition and urban waste: up to 1 million tons are recycled into panels per year.
- Chipboards are produced with up to 90% recycled wood.
- To offset carbon emissions, factories are powered 70-90% by renewable energy from wood waste that cannot be recycled.
- Partnerships with a large supplier network including container parks, demolition firms, packaging and furniture industries ensure the recovery of large wood volumes that are no longer usable for other processes.

DETALHES

ORIGEM DA MADEIRA

Trabalhos de descontrução

TIPO DE MADEIRA

Madeira reciclada ou residuos

TIPO DE MADEIRA EM CAUSA

--

IMPACTE NO AMBIENTE E BIODIVERSIDADE

--

IMPACTE NAS RECEITAS

--

POTENCIAL DE EXPLORAçãO

--

HUB

--

IMPACTE ECONOMICO

--

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

--

POTENCIAL DE MOBILIZAçãO

--

SUSTENTABILIDADE POTENCIAL - VALOR

--

FACILIDADE DE IMPLEMENTAçãO

--

FACILIDADE DE IMPLEMENTAçãO

--

PRE-REQUISITOS CHAVE

--

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

--

IMPACTE NO EMPREGO

--

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)

--

MAIS DETALHES

DESAFIO ABORDADO

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

DOMíNIO

Industrias do sector florestal, bioeconomia circular

TIPO DE SOLUçãO

Produtos biodegradáveis e reutilizaveis

PALAVRAS-CHAVE

recovered wood; waste wood; recycling; wood-based panels

SOLUçãO DIGITAL

Sim

INOVAçãO

Sim

PAíS DE ORIGEM

Bélgica

ESCALA DE APLICAçãO

Regional/ sub-nacional

ANO DE INíCIO E FIM

--

DADOS DE CONTACTO

PROPRIETáRIO OU AUTOR

UNILIN Panels

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

https://www.unilinpanels.com/en

WEBSITE DO PROJETO

www.woodcircus.eu

REFERêNCIA AO PROJETO

WoodCircus - Horizon 2020 no. 820892, 2018-2021

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

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY