

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 desconstrução

TIPO DE MADEIRA

Madeira reciclada ou resíduos

POTENCIAL DE MOBILIZAÇÃO

--

SUSTENTABILIDADE POTENCIAL - VALOR

--

TIPO DE MADEIRA EM CAUSA

--

FACILIDADE DE IMPLEMENTAÇÃO

--

IMPACTE NO AMBIENTE E BIODIVERSIDADE

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FACILIDADE DE IMPLEMENTAÇÃO

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IMPACTE NAS RECEITAS

--

PRE-REQUISITOS CHAVE

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POTENCIAL DE EXPLORAÇÃO

--

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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HUB

--

IMPACTE NO EMPREGO

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IMPACTE ECONOMICO

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CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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CONHECIMENTOS ESPECÍFICOS NECESSÁRIOS

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MAIS DETALHES

DESAFIO ABORDADO	DOMÍNIO	TIPO DE SOLUçãO
6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado	Industrias do sector florestal, bioeconomia circular	Produtos biodegradáveis e reutilizaveis
PALAVRAS-CHAVE	SOLUçãO DIGITAL	INOVAçãO
recovered wood; waste wood; recycling; wood-based panels	Sim	
PAÍS DE ORIGEM	ESCALA DE APLICAçãO	ANO DE INÍCIO E FIM
Bélgica	Regional/ sub-nacional	--

DADOS DE CONTACTO

PROPRIETáRIO OU AUTOR	REPÓRTER
UNILIN Panels	InnovaWood asbl Uwe Kies uwe.kies@innovawood.eu

www.unilinpanels.com

REFERENCES AND RESOURCES

WEBSITE PRINCIPAL	RECURSOS
https://www.unilinpanels.com/en	--
WEBSITE DO PROJETO	
www.woodcircus.eu	

REFERêNCIA AO PROJETO

WoodCircus - Horizon 2020 no. 820892, 2018-2021

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



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