

New modular construction system based on panels fixed to each other and pieces of heavy wooden framework.



The project aims to develop new models of prefabricated ultra-lightweight panels consisting of a combination of solid wood products, wood-based products and the use of thermal and acoustic insulation. The application of a tongue and groove system to assemble panels to each other and solid pieces of traditional heavy wooden framework, emulating a semi-heavy framework, will allow the development of a new innovative construction system aimed at modular construction, quick assembly and with enormous versatility and adaptation to different designs and types of construction.

Just started

The structural characterisation of the panels will be carried out by means of mechanical laboratory tests, as well as thermal, acoustic and watertightness characterisation by analytical means.

PODROBNOSTI

IZVOR LESA

Gozd

TIP LESA

Okrogli les

POTENCIJAL ZA MOBILIZACIJO

5-10 m³ / building

VRSTA OBRAVNAVANEGA LESA

Sawn timber, glued laminated timber, wood-cement boards, particle boards,

OSB

ENOSTAVNOST IZVEDBE

Difficult

VPLIV NA OKOLJE IN BIODIVERZITETO

Positive

ENOSTAVNOST IZVEDBE - OCENJEVANJE

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VPLIV NA PRIHODKE

Positive: decreased building time

KLJUČNI PREDPOGOJI

Building quality lightly decreased

POTENCIJAL IZKORIŠČANJA

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VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

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VOZLISČE

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VPLIV NA DELOVNA MESTA

Positive: increased efficiency of materials

GOSPODARSKI VPLIV

Possibility of modular construction

STROŠKI IZVEDBE (EURO - €)

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POTREBNO SPECIFIČNO ZNANJE

None

VEČ PODROBNOSTI

IZZIV	DOMENA	TIP REŠITVE
--	Lesena gradnja	--
KLJUČNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
--	No	Da
IZVORNA DRŽAVA	OBSEG UPORABE	ZAČETNO IN KONČNO LETO
Španija	Nacionalni	2018 - 2020

KONTAKT PODATKI

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REFERENCES AND RESOURCES

SPLETNA STRAN **VIRI**
<http://www.amatex.es> --
SPLETNA STRAN PROJEKTA
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REFERENCA PROJEKTA

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood

DATUM OBJAVE

13 Sep 2019



This project has received funding from the European Union's Horizon
2020 research and innovation programme under grant agreement No.

862681

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