

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.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

POTENȚIALUL DE MOBILIZARE

5-10 m3 / building

POTENȚIAL DE SUSTENABILITATE - VALOARE

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TIPUL DE LEMN ÎN CAUZĂ

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

FACILITATEA DE IMPLEMENTARE

Difficult

IMPACTUL ASUPRA MEDIULUI ȘI BIODIVERSITĂȚII

Positive

FACILITATEA DE IMPLEMENTARE - EVALUARE

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EFFECT ASUPRA VENITURILOR

Positive: decreased building time

CONDIȚII CHEIE PREALABILE

Building quality lightly decreased

POTENȚIAL DE EXPLOATARE

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TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

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HUB

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EFFECT ASUPRA LOCURILOR DE MUNCĂ

Positive: increased efficiency of materials

IMPACT ECONOMIC

Possibility of modular construction

COSTURI PENTRU IMPLEMENTARE (EURO - €)

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CUNOȘȚINȚE SPECIFICE NECESARE

None

MAI MULTE DETALII

PROVOCARE ABORDATĂ

--

CUVINTE CHEIE

--

ȚARA DE ORIGINE

Spania

DOMAIN

Industria construcțiilor din lemn

SOLUȚIE DIGITALĂ

Nu

SCARA DE APLICARE

Național

TIP DE SOLUȚIE

--

INOVAȚIE

Da

ANUL DE ÎNCEPUT ȘI DE SFÂRȘIT

2018 - 2020

DATE DE CONTACT

PROPRIETAR SAU AUTOR

REPORTER

amatex@amatex.es

REFERENCES AND RESOURCES

PAGINĂ WEB

<http://www.amatex.es>

WEBSITE PROJECT

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REFERINȚĂ PROIECT

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RESURSE

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PROIECTUL ÎN CADRUL CĂRUIA A FOST CREATĂ ACEASTĂ FIȘĂ INFORMATIVĂ

Rosewood

DATA POSTĂRII

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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