

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

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### SURSA DE LEMN

Pădure

### TIPUL DE LEMN

Lemn masiv

### TIPUL DE LEMN ÎN CAUZĂ

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

### IMPACTUL ASUPRA MEDIULUI ȘI BIODIVERSITĂȚII

Positive

### EFACT ASUPRA VENITURILOR

Positive: decreased building time

### POTENȚIAL DE EXPLOATARE

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### HUB

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### IMPACT ECONOMIC

Possibility of modular construction

### CUNOȘTINȚE SPECIFICE NECESARE

None

### POTENȚIALUL DE MOBILIZARE

5-10 m3 / building

### POTENȚIAL DE SUSTENABILITATE - VALOARE

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### FACILITATEA DE IMPLEMENTARE

Difficult

### FACILITATEA DE IMPLEMENTARE - EVALUARE

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### CONDIȚII CHEIE PREALABILE

Building quality lightly decreased

### TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

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### EFACT ASUPRA LOCURILOR DE MUNCĂ

Positive: increased efficiency of materials

### COSTURI PENTRU IMPLEMENTARE (EURO - €)

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**MAI MULTE  
DETALII**

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**PROVOCARE ABORDATĂ**

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**CUVINTE CHEIE**

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**ȚARA DE ORIGINE**

Spania

**DOMAIN**

Industria construcțiilor din lemn

**SOLUȚIE DIGITALĂ**

Nu

**SCARA DE APLICARE**

Național

**TIP DE SOLUȚIE**

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**INOVAȚIE**

Da

**ANUL DE ÎNCEPUT ȘI DE SFÂRȘIT**

2018 - 2020

**DATE DE  
CONTACT**

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**PROPRIETAR SAU AUTOR**

amatex@amatex.es

**REPORTER**

**REFERENCES  
AND RESOURCES**

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**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

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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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