# 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.

## DETALJER

### OPPRINNELSE FOR TRE

Skog

### TYPE TRE

Tre fra rundtvirke

### TYPE TRE INVOLVERT

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

### PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD

Positive

### INNTEKTSEFFEKT

Positive: decreased building time

### UTNYTTELSESPOTENSIAL

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### HUB

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### ØKONOMISK PåVIRKNING

Possibility of modular construction

### SPESIFIKKE KUNNSKAPSBEHOV

None

### MOBILISERINGSPOTENSIAL

5-10 m3 / building

### BæREKRAFTPOTENSIAL - VERDI

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### ENKEL IMPLEMENTERING

Difficult

### ENKEL IMPLEMENTERING - EVALUERING

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### VIKTIGE FORUTSETNINGER

Building quality lightly decreased

### TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

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### EFFEKT På ARBEIDSPLASSER

Positive: increased efficiency of materials

### KOSTNADER MED IMPLEMENTERING (EURO - €)

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## MER INFORMASJON

UTFORDRING ADRESSERT

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DOMENE

Industri for bygg i tre

TYPE LøSNING

--

NøKKELORD

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DIGITAL LøSNING

Nei

INNOVASJON

Ja

OPPRINELSESLAND

Spania

POTENSIALE

Nasjonal

START OG SLUTT åR

2018 - 2020

## KONTAKT INFORMASJON

EIER ELLER FORFATTER

RAPPORTøR

amatex@amatex.es

## REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

http://www.amatex.es

RESSURSER

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PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

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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