# 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**

--

**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

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