

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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NØKKEWORD

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OPPRINELSESLAND

Spania

DOMENE

Industri for bygg i tre

DIGITAL LØSNING

Nei

POTENSIALE

Nasjonal

TYPE LØSNING

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INNOVASJON

Ja

START OG SLUTT ÅR

2018 - 2020

KONTAKT
INFORMASJON

EIER ELLER FORFATTER

RAPPORTØR

amatex@amatex.es

REFERENCES
AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

<http://www.amatex.es>

PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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RESSURSER

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

13 sep 2019



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