green building cluster
of lower austria

Project Factsheet

Wood.construction.connections
Cooperative qualification project

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Knowledge transfer and exchange of experience on innovative fixing materials in timber construction

In the area of fasteners for timber construction a high level of innovation activity is taking place leading to an increasingly confusing variety of applications and solutions. Through continuous optimization and new developments simple woodscrews have been improved to universally applicable high-tech fasteners: self-drilling wood screws.

In the qualification seminar wood.construction.connections the topics of standardized and new joining techniques is highlighted and its application systematically edited. For the construction practice the entirety and interdisciplinary examination on building systems is in the focus.

The participants of the qualification seminar receive well-founded knowledge of the fundamental principles and verification for bolted connections, an overview of the application possibilities based on the current research results and acquire the competence for building physics, construction and building economics of optimized systems and a solid base for self-created innovations.

The Green Building Cluster designed this project collecitivly with the projekct participated companies and organisations an accompanied it.project duration

Further information

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Support

Support in the programme Research competencies for the economy, qualification seminars, with means of the BMWFW

Project period

01.10.2017 until 31.3.2018

External accompaniment

+ FH JOANNEUM University of Applied Sciences, Institut für Bauplanung und Bauwirtschaft (Institute for Construction Planning and Economics)
+ Technische Universität Graz, Institut für Baubetrieb und Bauwirtschaft (Graz University of Technology, Institute for Construction Management and construction)

Project partners

+ Engineer Johann Graf Zimmerei- und Holzbau Ges.m.b.H
+ Timbatec Holzbauingenieure GmbH
+ Riel - Metallbau GmbH
+ Polzer Ziviltechniker GmbH
+ Ludwig Pöll GmbH
+ Rubner Holzbau (Rubner Wood Construction)
+ ELK Fertighaus GmbH
+ Graf-Holztechnik GmbH
+ HARTL HAUS Holzindustrie GmbH
+ Schmid Schrauben Hainfeld GmbH