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Highest quality
through green
sustainability and
technology

Rubner
Italy

In partnership with:

With financial support
from the EU



Introduction:

Rubner Haus SpA

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Company's Description:

Rubner Group is a family-run business, from more than 80 years. It's one of the main European companies operating in the field of timber construction, now at the third generation. Its core business is building wooden houses respecting the environment, with cutting-edge technology, the use of ecologically valuable materials, reduced energy consumption and attention to earthquake-resistant buildings.

Sub-sectors affected:

X Carpentry (2nd Transformation)

Implementation Process:

The Group builds houses which deliver a sound stress-free lifestyle, implementing ecodesigned solutions. Rubner focuses on wood, natural insulation which has got excellent static properties, short building time, and helps people live their dream of an green ans sustainable life. Rubner is now trying to draw the house of the future in partnership with the University of Rome: RhOME for DenCity project.

Initiated practices:

Within the Group laboratories (Rubner research centre), Rubner Haus tests the behavior of the wood under extreme conditions by using innovative technologies.

Results:

RhOME for DEnCity prototype designed by University of Roma Tre along with Rubner Haus starred the first place in the Solar Decathlon Europe 2014 contest, promoted by the USA Department of Energy. Housing prototype turned out to be the most innovative and ecofriendly in the world and mastered in the ten challenges of the international contest.

RhOME for DenCity also reached many other results like: 2nd prize in Social housing (CECODHAS prize – extra contest competition), 1st prize in Social Housing for the new constructions (CECODHAS prize – extra contest competition), 1st prize in Lighting design (extra contest competition), 2nd prize in Architecture, 1st prize in House functioning, 2nd prize in Comfort zone conditions and 3rd prize in Innovation.

Recommendations:

Continuous ongoing research and development, with a strong focus on sustainability and green issues and also tailored made eco-design in order to make use of sustainable materials (wood, stone, plasters, paints...) and partnerships with other research centers such as Universities and UNI.

Conclusions:

Our main key words are quality, technology and green-sustainability. For that exact reason Rubner is deeply engaged in applying third parties quality assurance standards. Among them we can find the SOA certificate, the KlimaHaus certificate, the ISO 9001:2008 and ISO 14001: 2004 certificates and also Lignius, QDF certificate, Climabita and Blockhaus system certification.

Keywords:

- x Energy
- X Forest
- X Footprint/blueprint