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## Project Fact Sheet

### HOLIWOOD

**Holistic Implementation of European thermal treated hard wood in the sector of construction industry and noise protection by sustainable, knowledge-based and value added products.**

**Action Line:** NMP-2003-3.4.3.1-3 Support to the development of new knowledge-based added-value products and services in traditional less RTD intensive industries, NMP-2003-3.4.3.3-1 Support to the development of new knowledge-based and sustainable processes and eco-innovation

#### Coordinator

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The goal of HOLIWOOD is the development and holistic industrial implementation of thermal treated hard wood. Two product lines are followed: -pre assembled load bearing walls for the construction of eco<sup>2</sup>building (incl. flooring) -noise protection barrier system. With these products the technical and economic breakthrough will be targeted for thermally treated wood exhibiting superior properties in terms of durability and sustainability. By this way, energy and resource consuming materials such as concrete, aluminium and plastics will be replaced. The research and development activities focus on gathering basic know-how concerning the wood properties, paying special attention to statics, acoustics and manufacturing. The usage of Thermowood for load bearing construction parts is a technological innovation leading to a broad range of application in the house construction area. The integration into the construction of ecobuildings is a very promising approach for which the need has been expressed by leading architects. Beside the excellent properties, the market claims additional functionalities. The interdisciplinary approach of HOLIWOOD therefore additionally aims at the development of functional coatings. These nanocoatings shall be based on modular design, offer ecological coloration and inhibition of the wood graying for more than 20 years. For indoor use the focus is on additional functionalities. The strong participation of SMEs demonstrates the importance of the investigated field of research in this traditional industrial sector. The consortium has been established based on an ongoing international project. Additional partners have been included to cover all necessary fields of R&D. Training and demonstration will prepare future customers for the new products in due time. Exploitation strategies and demonstration activities complete the holistic approach in HOLIWOOD. For this purpose an eco<sup>2</sup>building and 1km noise protection barrier made of Thermowood

#### Project details

<b>Project Reference:</b> 11799	<b>Contract Type:</b> Integrated Project
<b>Start Date:</b> 2005-07-01	<b>End Date:</b> 2009-06-30
<b>Duration:</b> 48 months	<b>Project Status:</b> Execution
<b>Project Cost:</b> 11.04 million euro	<b>Project Funding:</b> 6 million euro

**Participant Organization:** GÒTIC

**Country:** SPAIN

GESTIÓ DE LA CONSTRUCCIÓ SL	
<b>Participant Organization:</b> MODULCAD S.R.O.	<b>Country:</b> SLOVAKIA
<b>Participant Organization:</b> OBERMAYR HOLZKONSTRUKTIONEN GESMBH	<b>Country:</b> AUSTRIA
<b>Participant Organization:</b> THE UNIVERSITY OF LIVERPOOL	<b>Country:</b> UNITED KINGDOM
<b>Participant Organization:</b> VÄLINGE INNOVATION AB	<b>Country:</b> SWEDEN
<b>Participant Organization:</b> LEDRO KEUKENS NV	<b>Country:</b> BELGIUM
<b>Participant Organization:</b> TIGERWERK LACK- UND FARBENFABRIK GMBH & CO. KG.	<b>Country:</b> AUSTRIA
<b>Participant Organization:</b> HOLZWERK LEHMANN AG	<b>Country:</b> SWITZERLAND
<b>Participant Organization:</b> EBOEK, INGENIEURBUERO FUER ENERGIEBERATUNG, HAUSTECHNIK UND OEKOLOGISCHE KONZEPTE GBR, HILDEBRANDT, DR. KAHLERT, KÖNIG, WERNER	<b>Country:</b> GERMANY
<b>Participant Organization:</b> FERTŐ-TAVI NÁDGAZDASÁGI RÉSZVÉNYTÁRSASÁG	<b>Country:</b> HUNGARY
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