



JULAR

madeiras



JULAR PROJECTS



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Architecture, Modular
Housing.



JULAR

THE COMPANY

A LONG HISTORY OF WOOD PASSION

Since 1973 JULAR has developed experience and know-how in wood-based products for the construction industry. JULAR is the guarantee of a good product and a good service.



Designers and a motivated sales team can help to produce original solutions or develop existing projects.

JULAR's technical team offers broad experience in design and development of wood structures.

JULAR has been certified in Quality Management Systems (ISO 9001) since 2006, and has recently achieved the certification in Environmental Management (ISO 14001).

Quality and sustainability are JULAR's guiding principles.

JULAR employs the Quality Management System as a means of monitoring and continuously improving our activity and, to achieve this, we count on a strong commitment and involvement of everyone at all levels of the organization.





Modern production premises and raw material warehouses totalling up to 28.000 sqm allow a quick, efficient and high-quality response.

JULAR has a wide and comprehensive range of products, backed by our personalized service and the technical support of our engineers on the design and development of timber structures.

JULAR's sales points provide a business network that covers both the Portuguese continent and the Atlantic islands. Overseas export experience has been acquired in recent years, making JULAR's solutions available in Europe and in Africa.

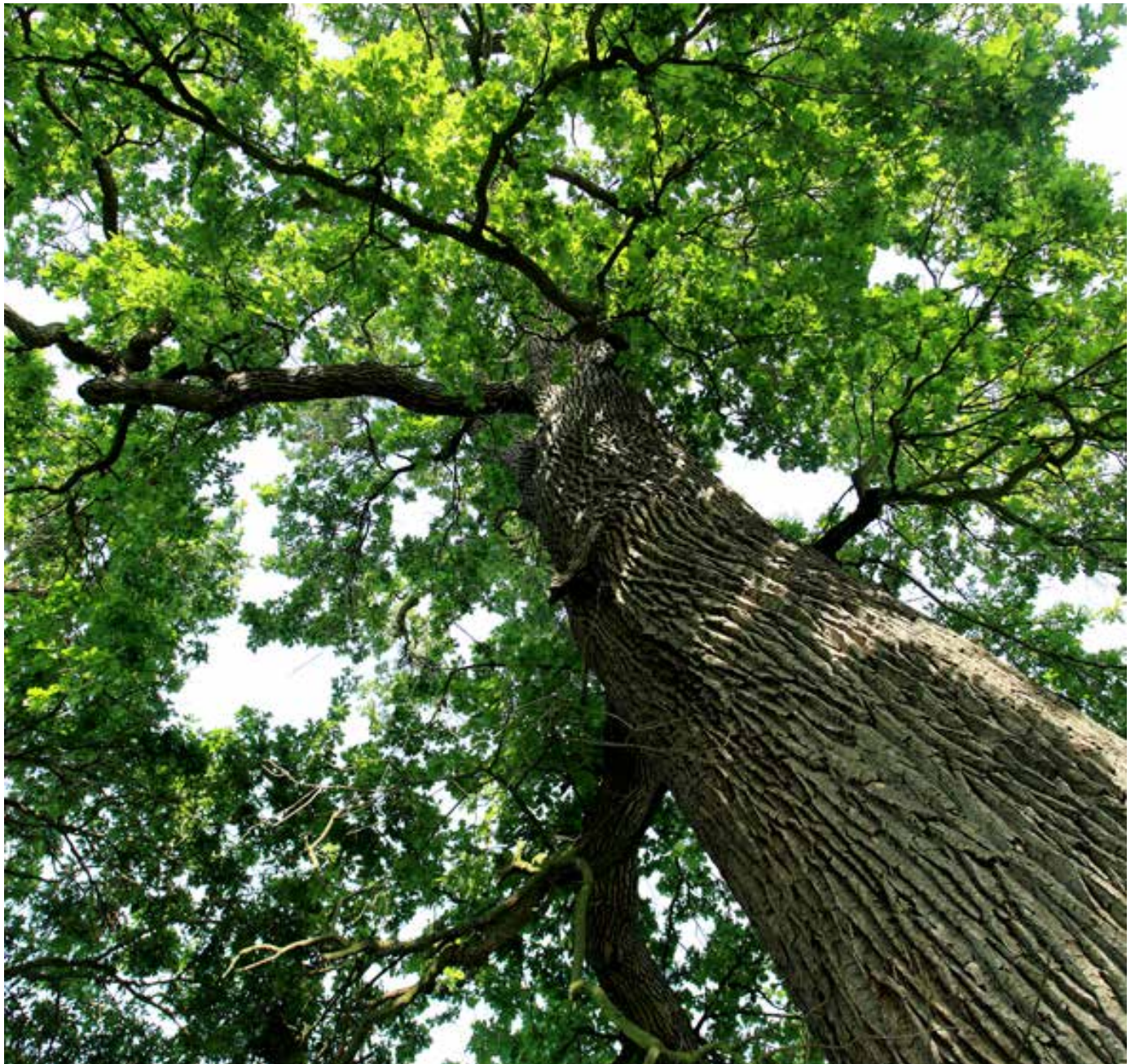


JULAR

ECOLOGY

RESPONSIBILITY TO FUTURE GENERATIONS

It's up to each one of us to act responsibly in mitigating climate change. Everyone can make a difference by choosing products and lifestyles that reduce CO2 emissions and tackle global warming.

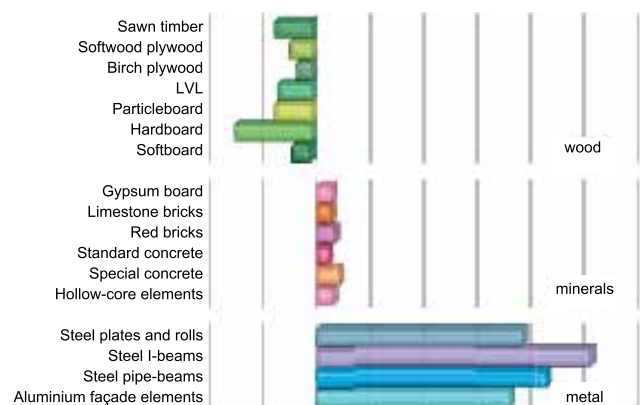


Wood is the only building material with positive carbon balance.

“Wood plays a major role in combating climate change... Trees reduce carbon dioxide in the atmosphere, as one cubic metre of wood absorbs one tonne of CO₂... Greater use of wood products will stimulate the expansion of Europe’s forests and reduce greenhouse gas emissions by substituting for fossil fuel intensive products. The Commission is examining ways to encourage these trends.”

European Commission’s DG Enterprise, 2003”

Net CO₂ lifecycle emissions



t CO₂ per m³ of product

SUSTAINABILITY

10 good reasons why we should use wood

- 01 Using wood products supports forests
- 02 Wood stores carbon
- 03 Wood is a renewable and versatile material
- 04 Wood is a strong material
- 05 Wood is beautiful
- 06 Wood provides excellent sound and thermal insulation
- 07 Wood is durable
- 08 Wooden structures can have a high level of prefabrication
- 09 Wood doesn't rust
- 10 Wood behaves better under fire than steel

The awareness of global warming brings a new dynamic to the use of wood, with an awareness of its unique quality as a carbon sink.

Today, wood is appreciated by clients, architects, contractors and policy makers as a significant tool for sustainability.

Wood has been assuming increasingly more importance in modern architecture. Besides its natural properties of strength, beauty, durability, acoustic, thermal and fire resistance, wood has a major role to play in today's challenges: sustainability.

Wood was indeed recognized as the most sustainable raw material, as its use results in far less carbon dioxide emissions into the atmosphere than competing building materials.



Be the change you want to see!





STRUCTURES

JULAR

WOOD CONSTRUCTION MAKING A COMEBACK

Time has come to rethink the use of natural resources. The 21st century will be the century where global awareness meets practice. Besides its traditional role in decoration, wood has been rediscovered as a wonderful structural building material, that also helps to tackle global warming.



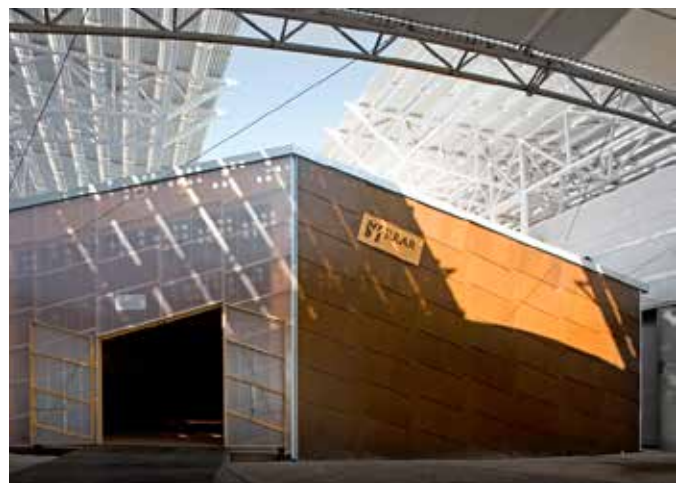
WAREHOUSES

XXL TIMBER STRUCTURES

Wood as a structural element has been used for centuries. During the first decades of the 20th century, with the appearance of concrete and steel, it became temporarily overlooked.

In the last quarter of the 20th century, pressure in the demand of raw materials pushed prices up to unprecedented levels, paving the way to the discovery of new building solutions.

Today we witness a comeback to its structural use due to the advantages in terms of weight, speed of assembly, fire resistance, ecological rationalism, economy in costs and ease of recycling.





JULAR's wood structures can be built in solid wood, LVL-Kerto® (laminated veneer lumber), Glulam® (glued laminated timber) and I-Joists®, from Metsäwood.

On the other hand, technical progress and an increasing availability of raw material made possible a substantial decrease in unit prices of timber structures, allowing its use in new architectural challenges, and making it more and more popular in the civilised world.

Large scale timber structural elements char but are not significantly structurally impaired by fire, where metal ones will distort to the point of collapse.

The calculations and design of structural elements done by JULAR are made according to Eurocode 5, the main European legislation framework for wooden structures.



SPECIAL TIMBER STRUCTURES

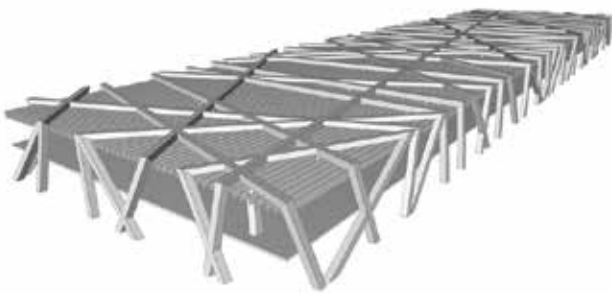
CHALLENGING IMAGINATION

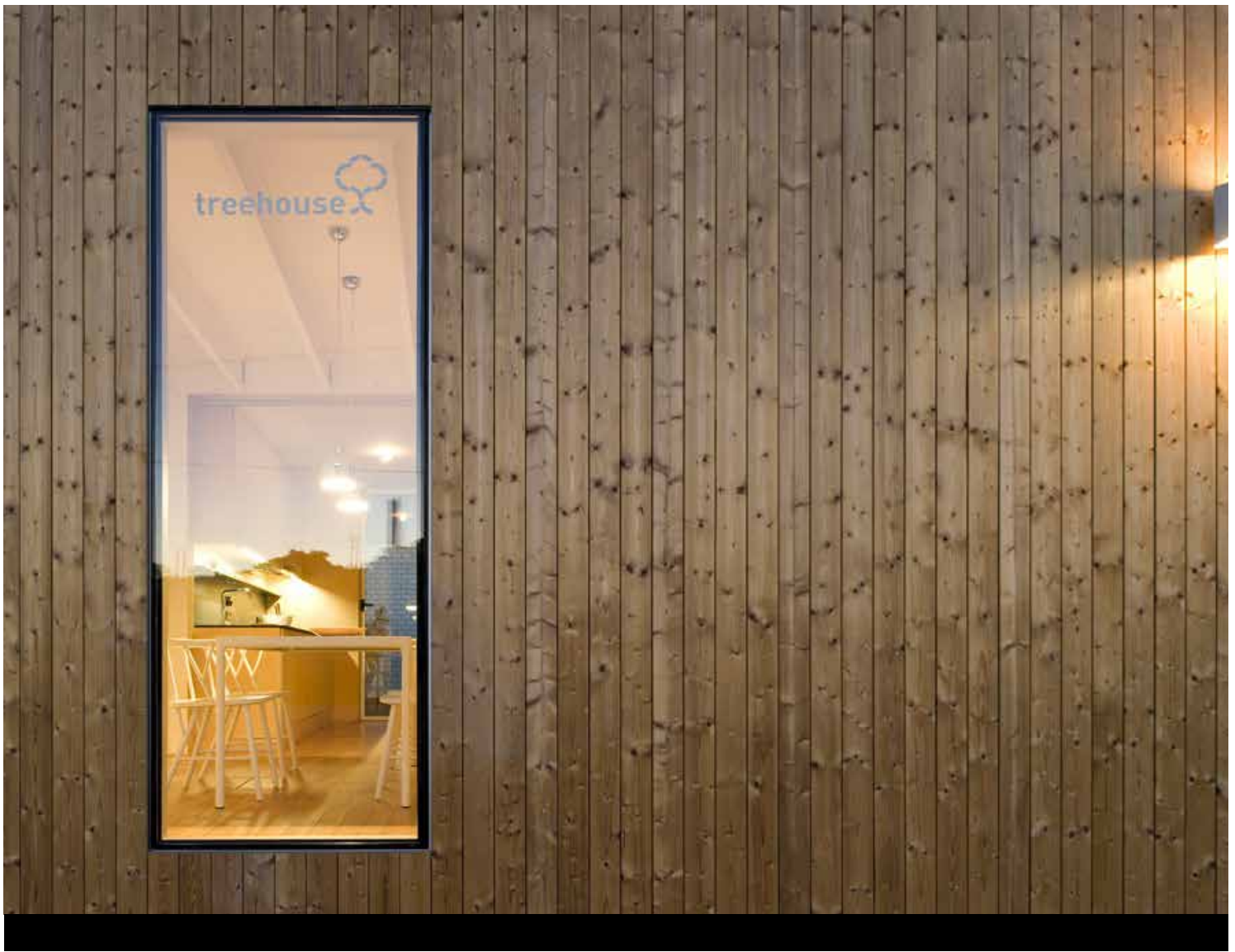
Wood has been assuming increasingly more importance in modern architecture.

Today, when architects and engineers design landmark buildings like bridges or government offices, schools, factories or warehouses, they look to timber to express a contemporary beauty which is nonetheless rooted in nature and a respect for the environment.

It's ease of working and reliability make it one of the most plastic building materials, allowing constant challenges to the imagination.







JULAR

HOUSES



STATE OF THE ART MODULAR HOUSING

JULAR's **treehouse** modular houses have been developed to integrate design and modularity with fast efficient production and sustainability.

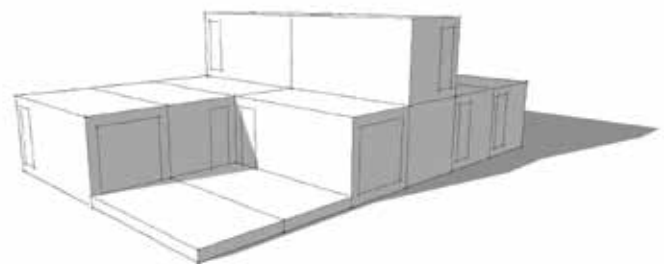
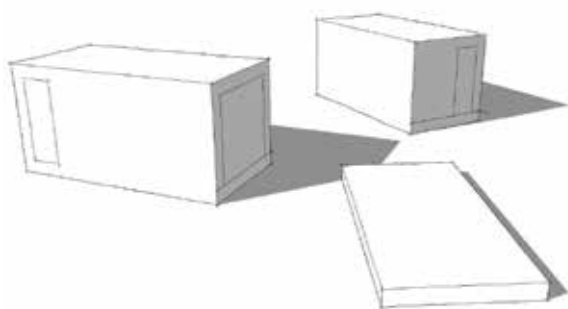


In harmony with nature.



treehouse

THE 100% ENVIRONMENTALLY FRIENDLY MODULAR HOUSE



↑ TREEHOUSE IS MODULAR

The concept behind Treehouse is modularity: it grows module by module. Each one has a standard area of about 22 sqm. The modules can be added on to allow the dwelling to grow both in area or in height, with cost savings and speed of assembly.

Modules are totally factory built.
Configurations available at: www.treehouse.pt



Take a look at treehouse movies, please search:
jular+treehouse.

Treehouse is based in a very light and functional system, with special attention to details. Extensive use of wood provides a warm environment, in touch with nature.

Rigorous design facilitates efficient production of a high performance product, fulfilling all legal requirements and guaranteeing greater longevity for each Treehouse. JULAR offers a full in-house service, from consulting to assembly and final delivery.

Treehouse is eco-friendly given that it is made with ecological materials that come from certified and sustainable managed forests.

↓ OTHER CHARACTERISTICS

ARCHITECTURE High quality, tested and functional contemporary architectural solution, with great attention to detail.

SUSTAINABILITY Treehouse is eco-friendly, given that it's made with materials that come from certified and sustainable managed forests.

DURABILITY Treehouse has the same durability as a traditional building, with reduced maintenance costs.



FLEXIBLE DESIGN The basic types of Treehouse allow an almost infinite combination of solutions, with endless possibilities for expansion.

SAVINGS The prefabrication of Treehouse ensures higher productivity, reduced unit labour costs, good quality control and minimizes on-site installation time and costs.

SEISMIC SAFETY Wood has one of the best strength/weight ratios. Extremely light and very resistant, Kerto® structures give Treehouse excellent performance in terms of seismic behaviour.

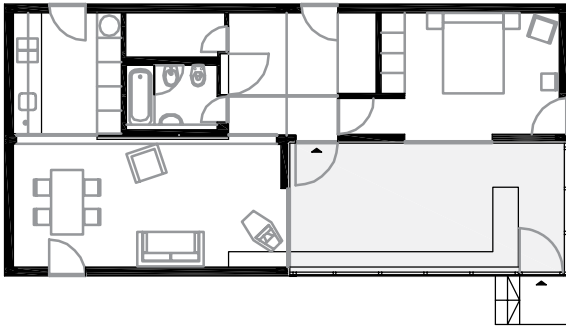
CERTIFICATION All Treehouse wooden components hold PEFC (chain of custody) certification.



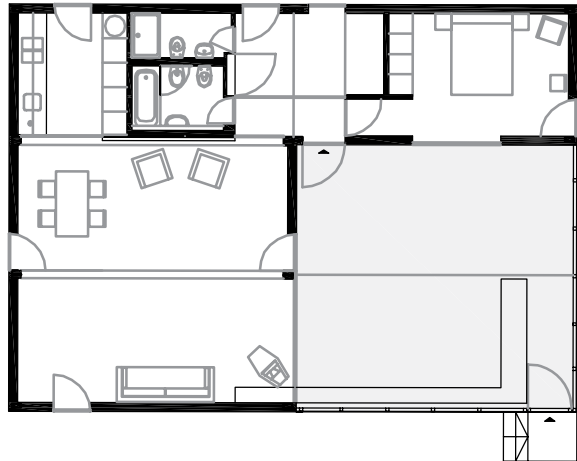
treehouse

TREEHOUSE PLANS

Configure your treehouse at: www.treehouse.pt



TREEHOUSE T1A - 4 MODULES



TREEHOUSE T1B - 6 MODULES



TREEHOUSE T2C - 8 MODULES



TREEHOUSE T3D - 10 MODULES



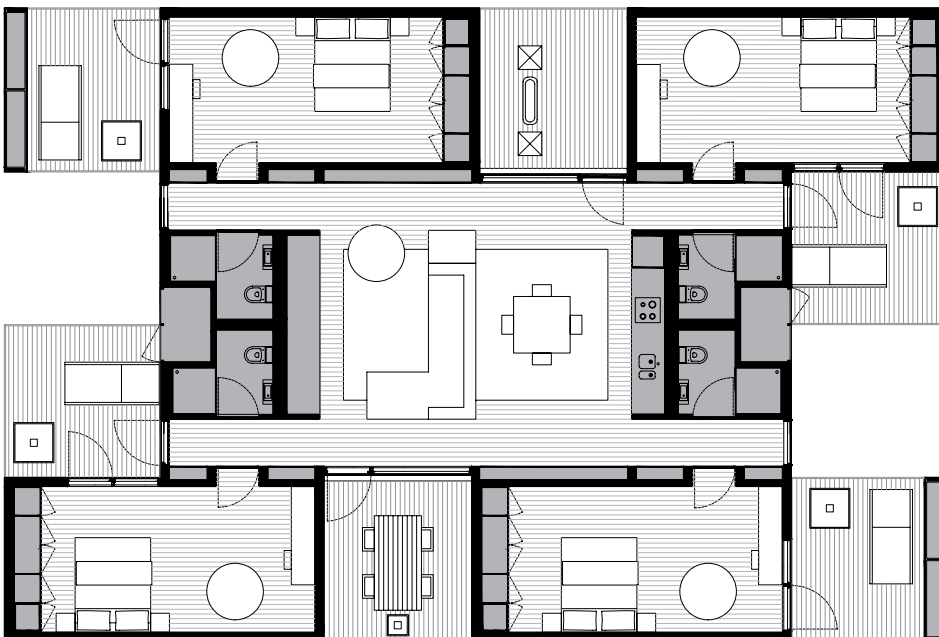
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TREEHOUSE SOYO PLANS

Configure your treehouse at: www.treehouse.pt



SOYO T2



SOYO T4



treehouse  riga



In harmony with nature.



treehouse riga

Developed based on the Treehouse modular construction system, Treehouse Riga has been adapted for a new, more compact and flexible style.

Offering the same levels of excellence and quality that characterise the original Treehouse, and created in a more minimalist architectural line, Treehouse Riga seeks to meet demand for smaller dwellings, both in the private and hotel and tourism segments.

Treehouse Riga offers a living room with kitchenette, two or three small bedrooms and one or two bathrooms. The patios, fenced or open, provide external living space.



Treehouse Riga, a new, more compact and flexible style.

High-quality, high-performance, ecological and economical houses.

The smaller size of the house is compensated by the relatively large glazed window bays which offer extensive views outside, expanding interior spaces.

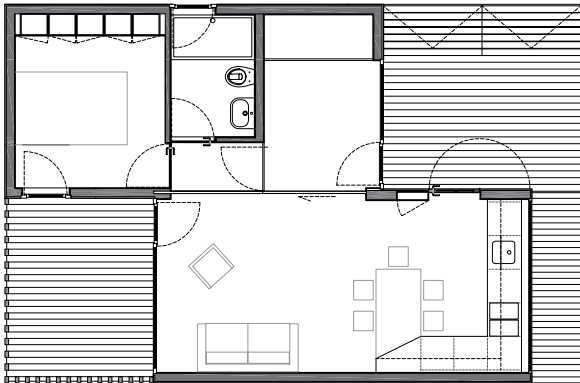
Efficiency of design associated with the choice of materials allows the construction of high-quality, high-performance, ecological and economical houses.



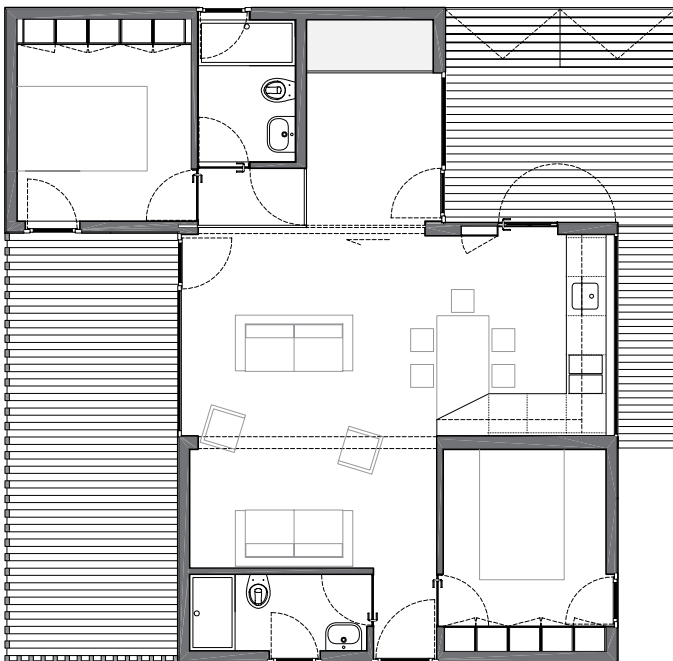
treehouse riga

TREEHOUSE RIGA

Configure your treehouse at: www.treehouse.pt



TREEHOUSE RIGA T1+1



TREEHOUSE RIGA T2+1





JULAR

IN PERSPECTIVE

JULAR projects are engaged in various areas of architecture: tourism, industrial, educational, temporary architecture and housing.



↑ ZMAR ECO CAMPO RESORT & SPA

Jular was the chosen manufacturer to build the wooden infrastructure of Zmar, the first nature and eco-tourism park on the Iberian Peninsula. The intense involvement of Jular in the early phases of Zmar project development was the key to its success, making it a case study in sustainable construction and energy efficiency.

In just nine months, 16.500 sqm of buildings were prefabricated, transported and installed at Zmar. 95 wooden houses were also added to the project. The prefabrication of all buildings was completed at Jular's factory in Azambuja. Most buildings were erected on wooden piles, thus minimising the negative effects of adding new constructions inside the Natural Park.

All wood used at Zmar comes from certified forests. Durability, low maintenance costs and recycling of raw materials determined the choice of this type of material for the construction of Zmar Eco Campo Resort & Spa.

The know-how obtained from the construction of this innovative tourist eco-park has strengthened Jular's skills in designing, manufacturing and assembling large-scale sustainable projects.

↓ SOYO VILLAGE

Located on the Equator, in perfect harmony with the Zaire River and ten minutes from the city centre of Soyo, Angola, Soyo Village offers an opportunity to rediscover an ancient concept: the use of wood as a basic material for sustainable construction in that region.

Simultaneously conceived from an ecological vision and a contemporary and innovative idea, Soyo Village encourages contact with nature and outdoor life, allowing participation in sports and leisure activities while enjoying the surroundings.

The project Soyo Village optimizes the versatility of the Treehouse modules, allowing the project to be adapted to suit individual and group needs, thereby being a solution that encourages socializing among its inhabitants and one that is adaptable to visitor accommodation of varying lengths.

Wood is the basic material for the entire project: a pleasure to the senses (vision, smell and touch), wood provides a high quality and inviting ambience. The housing units have been built in a system consisting of ventilated walls, translucent shading panels, double glazing and thermal insulation, thus adapting to the climatic conditions of the African continent.

An African village with Scandinavian comfort, quality and design standards, all made possible through Jular's modular wooden construction.





↓ MULTIPURPOSE PAVILLION

Commissioned by Lisbon Trade Fair Organization, this 1.000 sqm new pavillion was added to the already existing pavillions. Its asymmetrical architecture makes this pavillion a landmark in Portuguese wooden architecture. Also to be noted: the short commissioning schedule of only 28 days from order to completion.



↕ DOMINGOS SEQUEIRA SCHOOL

Part of the Parque Escolar National Project, Domingos Sequeira School in Leiria was chosen to benefit an extensive facelift. This 60 years old school was totally refurbished with brand new equipments and facilities.

A former outdoor school yard was transformed in a pleasant hall, the new centre of the school. The translucent roof structure was made with Kerto® beams.



↓ QUIAIOS BRIDGE

One of the first wooden structure bridges in Portugal for traffic use, this gluelam structure was the natural choice in the middle of one of the most preserved forest areas.





↑ NATO SUMMIT LISBON

Held in November, 2010, this Nato Summit was the first of the sustainable era.

40.000 sqm of OSB were used to create temporary walls and other structures. After the Summit, all the components went back to Jular's premises to be recycled in other structures.

→ MODULAR HOUSING AT LISBON FAIR

Making a premiere in Portugal, Leno panels from Metsäwood were used to create a mega house, in ten different decorative styles by invited designers. After the fair, all components were recycled for other structural purposes.





↑ OLD BUILDINGS RENOVATION

Old Portuguese buildings have been neglected for decades. Recently, a major National Programme for the renovation was put in place. Jular provides all the necessary components to assist developers and owners in rebuilding those buildings according with the most advanced techniques available in the market.



↑ HOTEL CONVENTO DO ESPINHEIRO BAR

Consisting of three modules, this bar was added to the hotel facilities in less than 30 days. Assembly on site was achieved in 8 working hours.



↓ OFFICE STRUCTURES

With the more frequent conversion of existing warehouses into offices, existing warehouses are being equipped with new office buildings, inside the old structure.



↓ LISBON ARCHITECTURE TRIENNALE

Lisbon has received recently two major Architecture Exhibitions: 2007 and 2010. Jular has been appointed as a Partner Sponsor, providing the organization with support facilities. Two Treehouse Riga houses were used by the Triennale as Visitor Centres, at key locations of the city.





In harmony with nature.



Jular presented you a compilation of the company's offer in what comes to timber structures, construction and planning, as well as the range of products we use and sell.

Not all Jular's products and accessories are here, and the ones we presented will have wider ranges and more technical and specific information that you can access at our showrooms.

Jular is an eclectic business partner, able to offer a complete answer, from raw materials to the most elaborate wooden product designed for construction.

In a world that, after some adventures, made amends with wood, we recognize in it one of the most noble gifts from Nature, and that must be enjoyed with wisdom.

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