



MADE  
BY  
NATURE

**RC** rusticasa  
WOODEN HOUSES

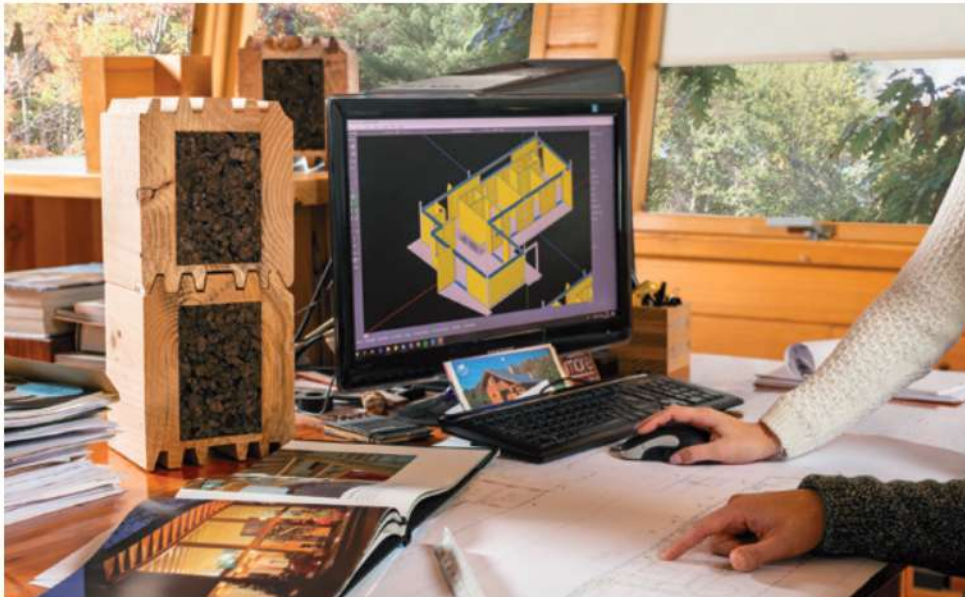
# FULFILING DREAMS FOR MORE THAN **40 YEARS**

## Excellence and Innovation

In 1978 the idea of the first wooden house was born, that gave life to the project RUSTICASA®. An **artisanal** house, entirely made by hand, built out of tree trunks of 30 cm in diameter. The “*Tree Trunk House*”, as it was then called, remains iconic for the company.

40 years of **experience** have acquired RUSTICASA® a unique and internationally recognized know-how, as evidenced by some awards that have distinguished the company over four decades. From AITIM quality label to **CE**, marking, to LNEC approval.

At RUSTICASA®, there are no predefined templates, all constructions are **customized**. The plans we present in our catalogues are just inspiration and possible starting points to create your own plan. You can rely on our teams 40 years' experience in the business to help you develop *your dream home!*





# 40 ANOS

1978 · 2018

More than 1.600 manufactured homes and 240.000m<sup>2</sup> built, these are the fruits of 40 years of wooden houses built in Portugal, Spain and France. In this catalogue, we introduce some of our achievements. You will discover that there are as many *Rusticasas* as there are ideas, and as many ideas as future inhabitants of wooden houses.

SINGLE FAMILY HOME | LA CORUÑA | TIMBER FRAME



OUR  
PHILOSOPHY  
Quality and  
Sustainability

*"Wood is the key to a more sustainable  
building industry."*

Arch. John Klein

SINGLE FAMILY HOME | MONTFORT-L'AMAURY | TIMBER FRAME



**Sustainable wood construction:**  
the choice of a responsible future.

**Choosing the wood.**

Wood is an ally in the fight against global warming. Choosing wood means conducting an eco-friendly policy for sustainable development.

**Building with wood.**

To build in wood is to allow the forest to develop, thanks to the sustainable management of its resources, preserving the environment, without destroying the forest capital.

**To be eco-friendly.**

Wood constructions help the ecological balance by its ability to store CO<sub>2</sub>, as well as its thermal insulation qualities that reduce energy consumption.



The quality of the execution determines the durability of the construction. If this statement can be applied to masonry constructions, it can also be said about wooden constructions.

In this sense, the quality of our products, our services and our supervision has truly established itself into a true company culture.

From the choice of wood from certified sustainably managed forests, to continuous training of our employees, through research and constant development of the most appropriate constructive solutions, RUSTICASA® has given itself as a mission from its conception, to offer a quality service that respects the environment, while integrating social and economic concerns.

With the **CE marking**, endorsed by the European Technical Assessment [ETA] 18/0984, and the **ISO 9001** and **ISO 14001** certifications, audited by Société Générale de Surveillance (SGS), RUSTICASA's management systems and processes strictly comply with the most demanding environmental and quality standards in Europe. All a guarantee of excellence for our customers!



Kits for prefabricated buildings using wood structures, under the ITS (Insulated Timber System) trademark.



# ENERGY EFFICIENCY

## Wood, the intelligent solution

*"If you had to invent a machine, which gives you a renewable supply of building materials while also reducing carbon levels, it would be a tree."*

Arch. Andrew Waugh

Japanese cedar grove on the island of São Miguel | AZORES

### THE EFFICIENCY OF WOOD CONSTRUCTIONS SURPASSES CONVENTIONAL METHODS\*

**ENERGY -40%**

The energy used in the manufacturing of the materials involved in constructive solutions in wood is 40% less than that used in conventional construction.



**WASTE -60%**

Woods best behaviour is also evident in the reduction of 60% of the waste generated, both in the manufacturing and disposal.



**TOXICITY -75%**

Toxic emissions into the air and water are reduced by up to 75% with wood.



● Wood    ● Conventional

\*Source: STTC - 2017.

# OUR PRODUCTS

*Each house is a case*



## LAMINATED LOGS

Traditional construction system composed of laminated wood logs. Defined by a very characteristic and easily recognizable architecture, this constructive system is typical of the Nordic countries, but adapts perfectly to the warmer climates.

**Wood:** Nordic pine, Nordic spruce or Japanese cedar.

**Origin:** Northern Europe, Azores.

**Weight:** 85kg/m<sup>2</sup> (average weight per m<sup>2</sup> wall).



## POST & BEAM

Post & Beam is a constructive technique that allows design flexibility. With its main structure, consisting of posts and solid beams or glued laminated timber, it offers large extensions creating open façades, and preserving free and ample spaces.

**Wood:** Nordic pine or Nordic spruce.

**Origin:** Northern Europe.

**Weight:** 70kg/m<sup>2</sup> (average weight per m<sup>2</sup> wall).



## TIMBER FRAME

In timber construction, the Timber Frame system is the most popular construction technique, allowing a great freedom of architectural expression. It is ideal for both new constructions and extensions. A Timber Frame house adds lightness and solidity.

**Wood:** Nordic pine or Nordic spruce.

**Origin:** Northern Europe.

**Weight:** 60kg/m<sup>2</sup> (average weight per m<sup>2</sup> wall).



## ITS™

The Insulated Timber System (ITS™) uses ISOLAM® self-supporting panels for all structural and house-covering elements. The glued laminated wood panels insulated with cork at its core, offer a high thermal resistance and allows for a very fast assembly.

**Wood:** Japanese cedar.

**Origin:** Azores.

**Weight:** 50kg/m<sup>2</sup> (average weight per m<sup>2</sup> wall).



## SECULAR TRADITION with contemporary style

Seen as the *state-of-the-art* of wood construction, the result of a know-how and a lifestyle, this constructive method consists of stacking logs (straight or rounded on the outside) through an interlocking system forming support walls. The wood, visible on the outside and inside of the building, offers excellent natural insulation with hygrometric control properties and provides warmth and comfort to its inhabitants.

SINGLE FAMILY HOME | ÓBIDOS \ LAMINATED LOGS







# NATURE IS THE HARMONY of elements

Architect *Francisco Vieira de Campos* project, which was born as an extension of the Quinta do Vallado wine hotel, awarded in the categories “Sustainable Wine Tourism Practices” and “Architecture and Landscapes” at the **Best of Wine Tourism Awards** of 2016 and 2018, as well as in the **Archilovers Best Project 2017**, the **Construir Awards ‘18** in the category of “Best Private Project” and nominated for the European Union **Mies van der Rohe 2019** Contemporary Architecture Prize.

HOTEL CASA DO RIO | VILA NOVA DE FOZ COA | TIMBER FRAME



Best Of  
Wine Tourism

REGIONAL WINNER 2016  
BY ARCHITECTURE AND LANDSCAPE



Best Of  
Wine Tourism

GLOBAL WINNER 2018  
BY ARCHITECTURE AND LANDSCAPE



**C** prémios  
CONSTRUIR  
**'18**

MELHOR PROJETO PRIVADO

**EÚ**  
mies  
award  
19

NOMINEE



PREMIO NACIONAL DE  
ARQUITETURA EM MADEIRA

**AIT** [AWARD]

BEST IN INTERIOR  
AND ARCHITECTURE 2020

**enOR**

PREMIO DE ARQUITECTURA  
ENOR 2020



Characterized by a robust wooden skeleton, generally visible on the outside and inside, the columns and beams of the structure are part of the aesthetics of the project, offering a constructive rhythm in which the volumes of the house are inscribed.

Post & Beam is a constructive system that concentrates efforts on its primary structure, beams and columns, whose composition and sizing are optimized using solid or glued laminated timber in accordance with project requirements.





FLEXIBILITY  
OF DESIGN  
free and spacious  
volumes

*"If urban densification is inevitable, then let it be done with a material that makes us intuitively happy, as well as benefitting the planet and specifically the air, which after all, we share with trees."*

Arch. Clare Farrow

HOTEL RINOTERRA | CAMINHA | POST & BEAM



# ARCHITECTURAL LIBERTY

## expressiveness and lightness

Suitable for any type of site (landlocked lot, cramped, unstable, steeply sloped, ...), a wood frame construction is up to 7 times lighter than a concrete construction and 17 times lighter than steel, requiring much less substantial and a less expensive basement and suitable for low lift fields, or in poorly stabilized areas.

**SINGLE FAMILY HOME** | ARCOS DE VALDEVEZ | **TIMBER FRAME**





CONSTRUCTION  
RAPIDITY  
energy  
efficiency

*"Wood is a form-inspiring, profoundly  
human material."*  
Arch. Alvar Aalto

SINGLE FAMILY HOME | LA GARRIGA - BARCELONA | ITS™





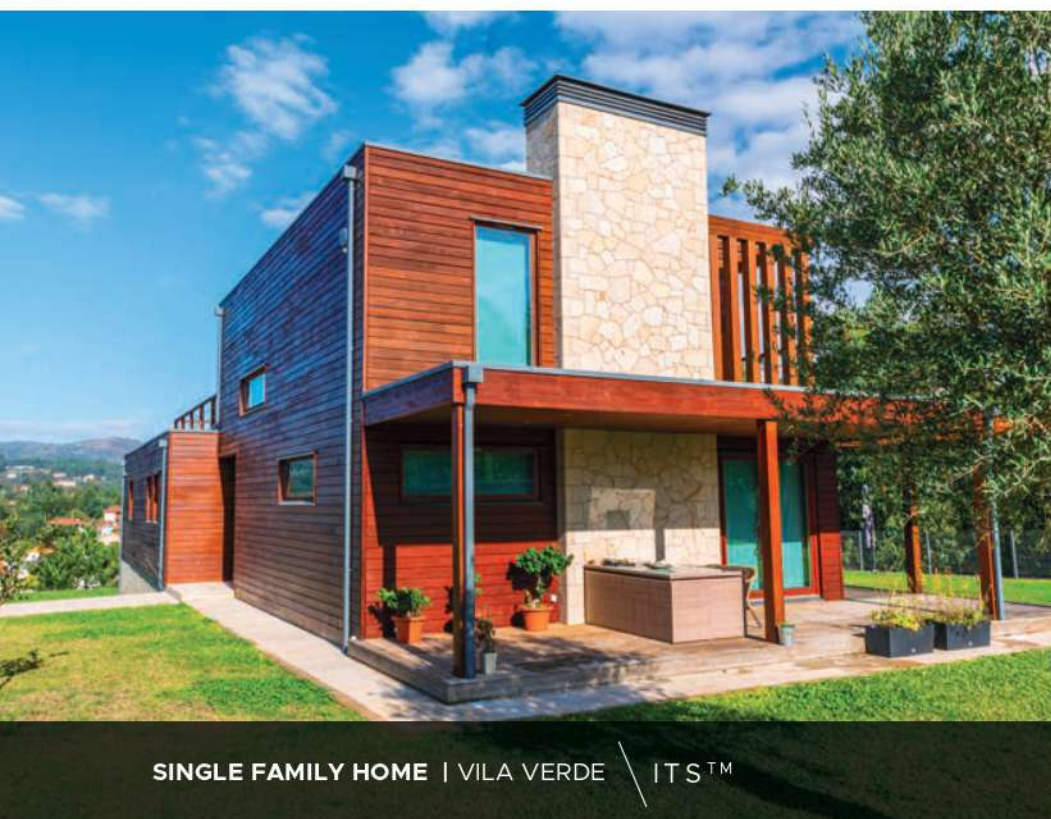
ITS™ was born from the conjunction of the log house constructive technique with the Timber Frame system. In addition to reconstituting the log with glued laminated wood, adding cork in its core to increase its thermal performance, the pieces are joined together to form self-supporting structural panels, thus giving the constructive system unmatched benefits in terms of both insulation and speed of construction.





The ITS™, houses, assembled with both sides of the finished walls, can be delivered fully equipped, with exterior carpentry included, as well as channels for the embedded electrical installation, offering a speed of execution without setting or drying times, characteristic of the construction with wet conglomerates (conventional construction).

The reduced thickness of its walls optimizes the living space (+/- 8% more than in brick), as well as increasing the comfort of its occupants, thanks to the naturally breathable materials that regulate the interior humidity, with low thermal inertia and absence of thermal bridges.



SINGLE FAMILY HOME | VILA VERDE | ITS™





Some colour examples for your home





POST & BEAM

1 BEDROOM HOUSE | GROUND FLOOR | AREA 77m<sup>2</sup>



# 1 BEDROOM HOUSE | 77m<sup>2</sup>



## DATASHEET

Closed ground floor: 77m<sup>2</sup>

Porches: 42m<sup>2</sup>

Gross area: 119m<sup>2</sup>

Stylization comes to its paroxysm with this Zen-inspired house. The open spaces with large glazed areas contribute to the sense of spaciousness, thus enhancing the visual comfort of the interior of this original house.

*NOTE: areas, photos and plans reproduced are for guidance only.*





TIMBER FRAME

2 BEDROOM HOUSE | GROUND FLOOR | AREA 91m<sup>2</sup>



## 2 BEDROOM HOUSE | 91m<sup>2</sup>



### DATASHEET

Closed ground floor: 79m<sup>2</sup>

Porch: 12m<sup>2</sup>

Gross area: 91m<sup>2</sup>

This design by Architect Simão Carvalho joins practical and comfort. Concentrated in just 79m<sup>2</sup>, a large common room shares its space with an open kitchen that also serves as a dining room, in addition to having two bedrooms and their respective bathrooms.

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ITS™

**3** BEDROOM HOUSE | GROUND FLOOR | AREA 165 m<sup>2</sup>





**T 3** | 165 m<sup>2</sup>



Alçado Principal

Alçado Lateral Direito



## DATASHEET

Closed ground floor: 125m<sup>2</sup>

Pergola: 22m<sup>2</sup>

Porch: 18m<sup>2</sup>

Gross area: 165m<sup>2</sup>

A sophisticated house with modernist features. With three bedrooms, three bathrooms and a large living space of 50m<sup>2</sup> that includes the living room, dining area opened over the kitchen and pantry, this house responds to its time.

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LAMINATED LOGS

**3** BEDROOM HOUSE | GROUND FLOOR + 1 FLOOR | AREA 171 m<sup>2</sup>



Alçada principal

Alçada lateral dreta



## DATASHEET

Closed ground floor: 88m<sup>2</sup>

Closed floor area: 63m<sup>2</sup>

Porch: 12m<sup>2</sup>

Balcony: 8m<sup>2</sup>

Gross area: 171m<sup>2</sup>

An imposing house of 171m<sup>2</sup> with two floors and six rooms, inspired by the classic wooden houses of the north of Europe, with the charm of a traditional country house. If you love the rustic style, this is definitely your project!

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LAMINATED LOGS

**4** BEDROOM HOUSE | GROUND FLOOR | AREA 176m<sup>2</sup>



## 4 BEDROOM HOUSE | 176m<sup>2</sup>



Aspecto principal



Aspecto lateral derecho



### DATASHEET

Closed ground floor: 145m<sup>2</sup>

Porches: 31m<sup>2</sup>

Gross area: 176m<sup>2</sup>

A single storey house with generous front porch, like a ranch on the American plain, is the proposal of this very popular classic design that consists of four bedrooms and a large social area. A way to live life closer to nature!

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ITS™

**4 BEDROOM HOUSE | GROUND FLOOR + 1 FLOOR | AREA 256m<sup>2</sup>**



## 4 BEDROOM HOUSE | 256m<sup>2</sup>



North Facade

Side Facade



### DATASHEET

Closed ground floor: 158m<sup>2</sup> 158m<sup>2</sup>

Closed floor area: 51m<sup>2</sup>

Porches: 23m<sup>2</sup>

Pergola: 24m<sup>2</sup>

Deck: 50m<sup>2</sup>

Gross area: 306m<sup>2</sup>

For large families, great solutions! Two bedrooms and two suites, one of which on the floor with a private room over the mezzanine, and a social area with an open kitchen over the living and dining room form this sumptuous practical and modern home.

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*"Wood is universally beautiful to man. It is the most humanly intimate of all materials."*

Arch. Frank Lloyd Wright



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WOODEN HOUSES  
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