

GROSSO

LEGNOARCHITETTURE

Products

1. Wooden Houses
2. Wooden Roofs and Slabs
3. Decorative Finishes Nature
4. Loft System
5. Special Structures



I. Wooden Houses



Grosso wooden house gives the feeling of living with the **Nature**

Building a new home is one of the most significant decisions in one's life and the choice of a wooden house, with its durability over time and the atmosphere that it conveys has its roots in a very distant past.

The wood used for the construction of a house helps to make the atmosphere healthy, so much so that its use plays a leading role in the global reduction of CO2 emissions and represents an essential and effective factor for climate protection.

We could say that wood is the raw material on which our oldest idea of home settles. An idea that is more alive than ever today, which we wanted to interpret in an increasingly comfortable and evolved key with the Grosso line of residential, industrial and agricultural buildings.

The relatively low weight of the wooden supporting structure has allowed us to develop the construction of elevations and extensions on existing homes. We create your wooden project by studying the optimal solutions to ensure you a safe, functional home that gives space to your desire to live in the nature.





Imagine the House of your **Dreams**, We are ready to make it happen

Grosso wooden house is designed and tailored to your dreams and guarantees a unique experience for those who live in it.

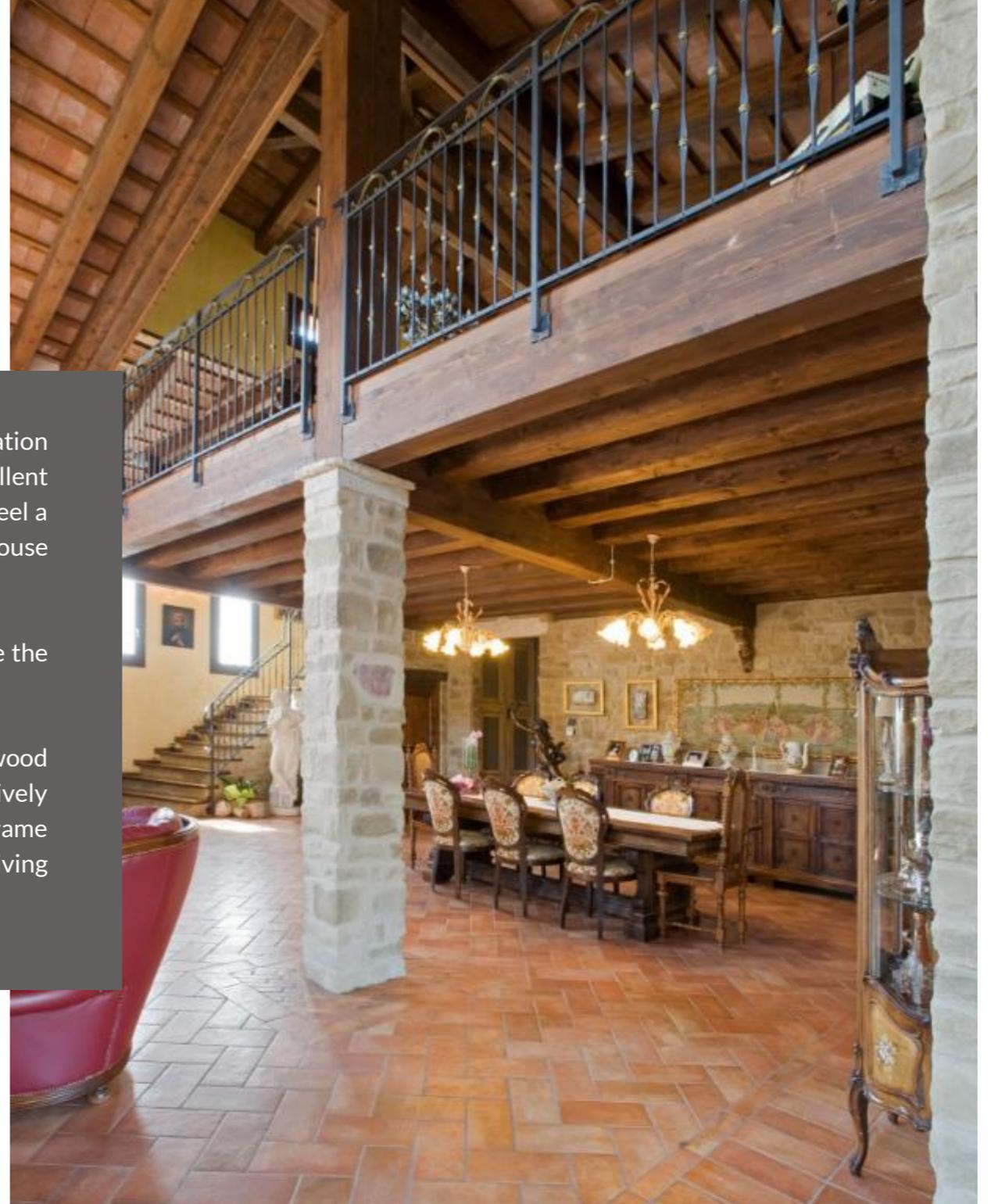
Imagine an ideal place for your family full of charm, coziness, and comfort. The veining of the wood and its colors will infuse your home with warmth, light, energy, and balance.

Your home will be extremely comfortable, thanks to the thermal insulation due to the intrinsic characteristics of wood. Made with thinner thicknesses than the classic masonry house, it will be anti-seismic par excellence and will at the same time guarantee excellent energy performance and high healthy living.

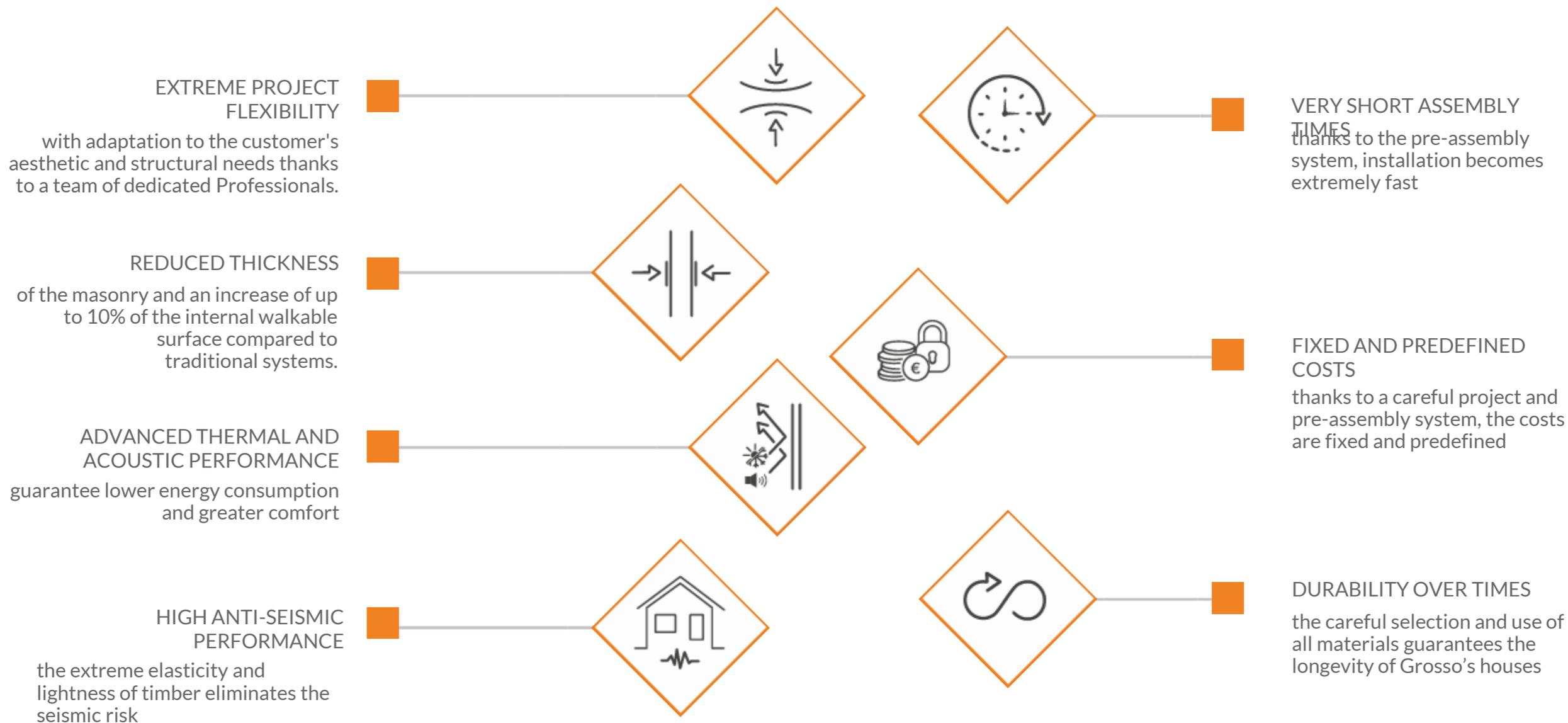
Wood will give you a home where you can rest in total relaxation, thanks to the acoustic insulation typical of these buildings. An efficient acoustic performance is the result of an excellent combination of solutions and materials. Once you reside in a wooden built location, you will feel a certain wholesomeness of the air, always dry environments with no humidity and mold. A house with minimal internal pollution as it has few / close to zero emissions and therefore VOC free.

Wood is a porous material, that's why is also able to stabilize temperature changes and make the air cleaner.

The wooden house against all expectations is certainly also more resistant to fire since the wood burns in a slow, uniform and controlled way. A wooden building, even with many floors, is relatively simple, fast and not very expensive to build and install. The construction systems used, with frame walls or multilayer panel walls, represent an effective response to every need. Enjoy your living experience without any limits, think about your dream, we are here to make it happen!



I vantaggi di una casa in legno Grosso





We Design and build
your
home **Safely**

The wooden house is not only a fascinating and comfortable building to live in, but also an extraordinary laboratory of technology and innovation.

The design phase and the resulting structural decisions are of fundamental importance to guarantee you an excellent result. This is why we collaborate with your architects and designers and we are committed to always giving our evaluation on the feasibility of the structure to be built and we will always take care of the executive project.

Thanks to the Grosso construction technology and the natural flexibility of wood, it will be possible to create architectural environments that challenge the forces of nature.

We put at your disposal all the experience and skills of a staff specialized in engineering and implementing effective and innovative construction details and insulation systems. In order for your single-family and multi-family housing solution to be excellent and durable over time, a very precise implementation is required as, in this context, a single forgetfulness could considerably compromise the performance values.

The high level of prefabrication allows us to manage the construction site quickly and effectively. We entrust this delicate construction phase to our teams of specialized technician to ensure safety first of all.

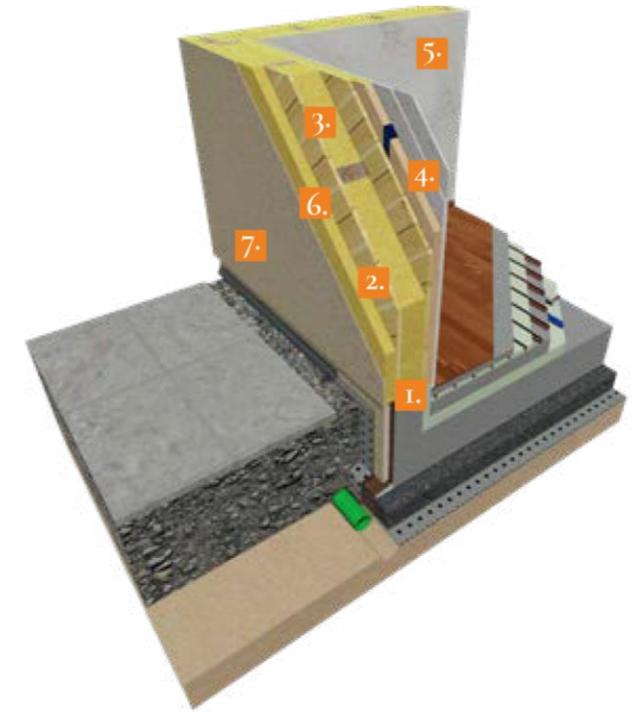


A **healthy** atmosphere starts from the beginning

ZERO-GLUE HOUSE

Did you know that in a wooden single-family house with commonly used systems are estimated to be employed between 5 and the 6 quintals of glue?

To reduce the use of glue and related emissions, Grosso proposes a system of “zero glue” construction. A timber frame with load-bearing beams in solid construction timber includes both the skeleton and slabs and roofs. For wind-bracing, on the other hand, is designed the use of planks placed at a 45 ° angle. With this system, the use of glue is reduced by 98% and at a competitive construction cost on the market.



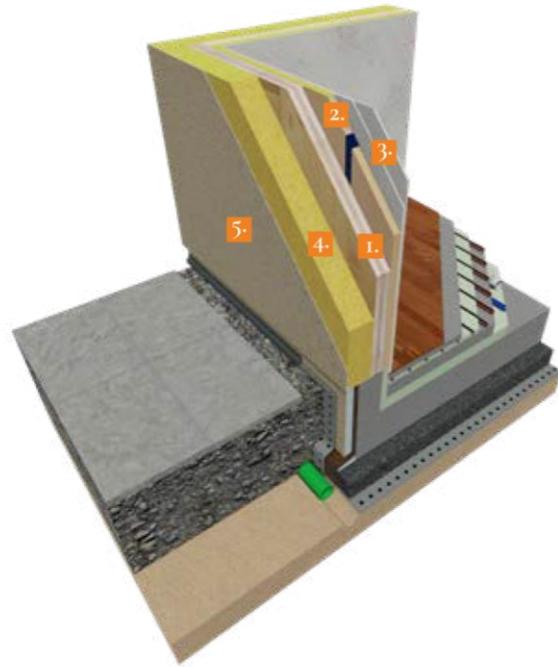
1. Load-bearing frame structure in solid wood
2. 45 ° bracing planks
3. Insulation layer Controparete per impianti
4. Counterwall for installation
5. Internal cladding panels in plasterboard/plaster fiber
6. Insulating coat
7. External plaster

Two construction system a unique result

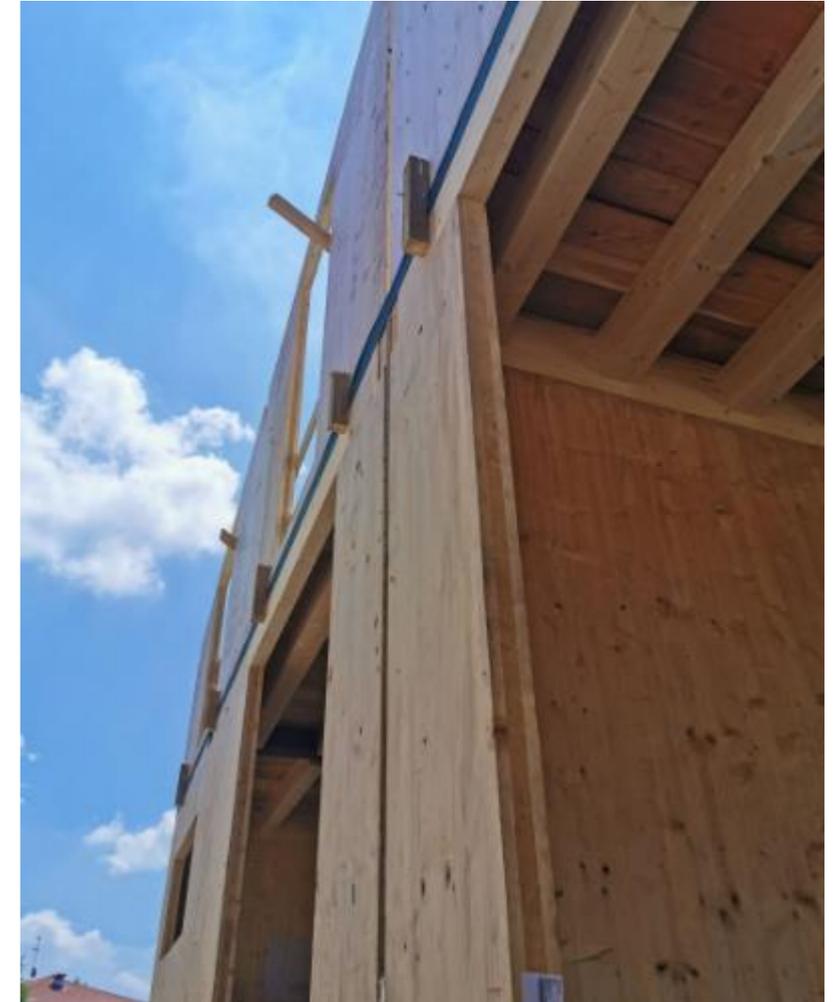
SELF-SUPPORTING TIMBER PANEL SYSTEM

It is a massive construction system for wooden houses that involves the construction of the perimeter and internal load-bearing walls completely in solid wood, using glulam timber panels of crossed spruce boards glued together. The maximum size of the panels, already equipped with special holes, can reach up to several meters in width and 14 ml. in length, with variable thicknesses ranging from 50 to 300 mm.

The x-lam panels are also used for the construction of the slabs. This system is suitable for multi-story buildings or where a certain mass in the walls is required.



1. Xlam load-bearing frame structure
2. Counterwall for installation
3. Internal cladding panels in plasterboard/plaster fiber
4. Insulating coat
5. External plaster

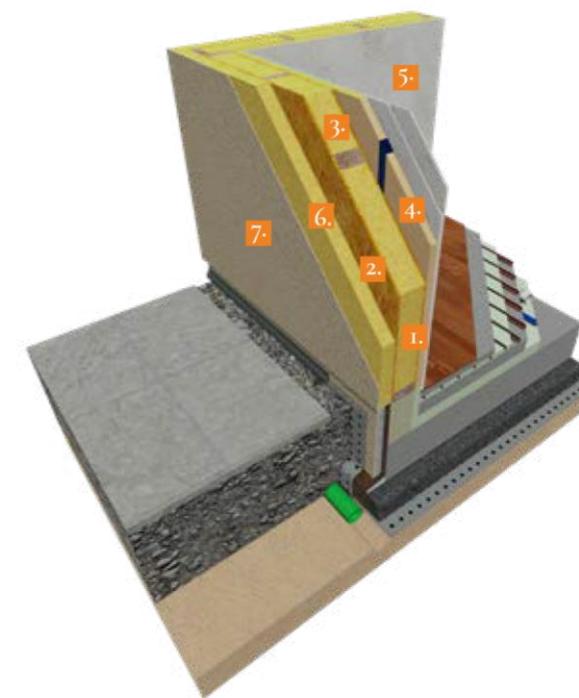




SELF-SUPPORTING TIMBER FRAME SYSTEM

It is a lightweight construction system for wooden houses that involves the construction of the perimeter and internal load-bearing walls thanks to a frame structure consisting of uprights arranged to a constant center distance and lower and upper crosspieces in wood, covered and braced externally by multilayer panels or by a layer of boards arranged at 45 °, while internally by boards or slabs in drywall.

To achieve the desired levels of thermal and acoustic performance, an insulating layer will be inserted inside the space of the frame. This system is widely used for buildings of small/medium size.



1. Load-bearing timber frame structure
2. Timber panels
3. Insulation layer
4. Counterwall for installation
5. Internal cladding panels in plasterboard/plaster fiber
6. Insulating coat
7. External plaster

The **types** of houses available

RAW HOUSE

Your raw house will include the foundations, the load-bearing walls and may also include the internal partitions, the slabs and the roof, therefore the internal stairs.

ADVANCED RAW HOUSE

If the raw house is advanced, windows, sills and thresholds, any tiles, sheet metal work and the coat are added to your wooden house, therefore it is totally closed externally.

FINISHES

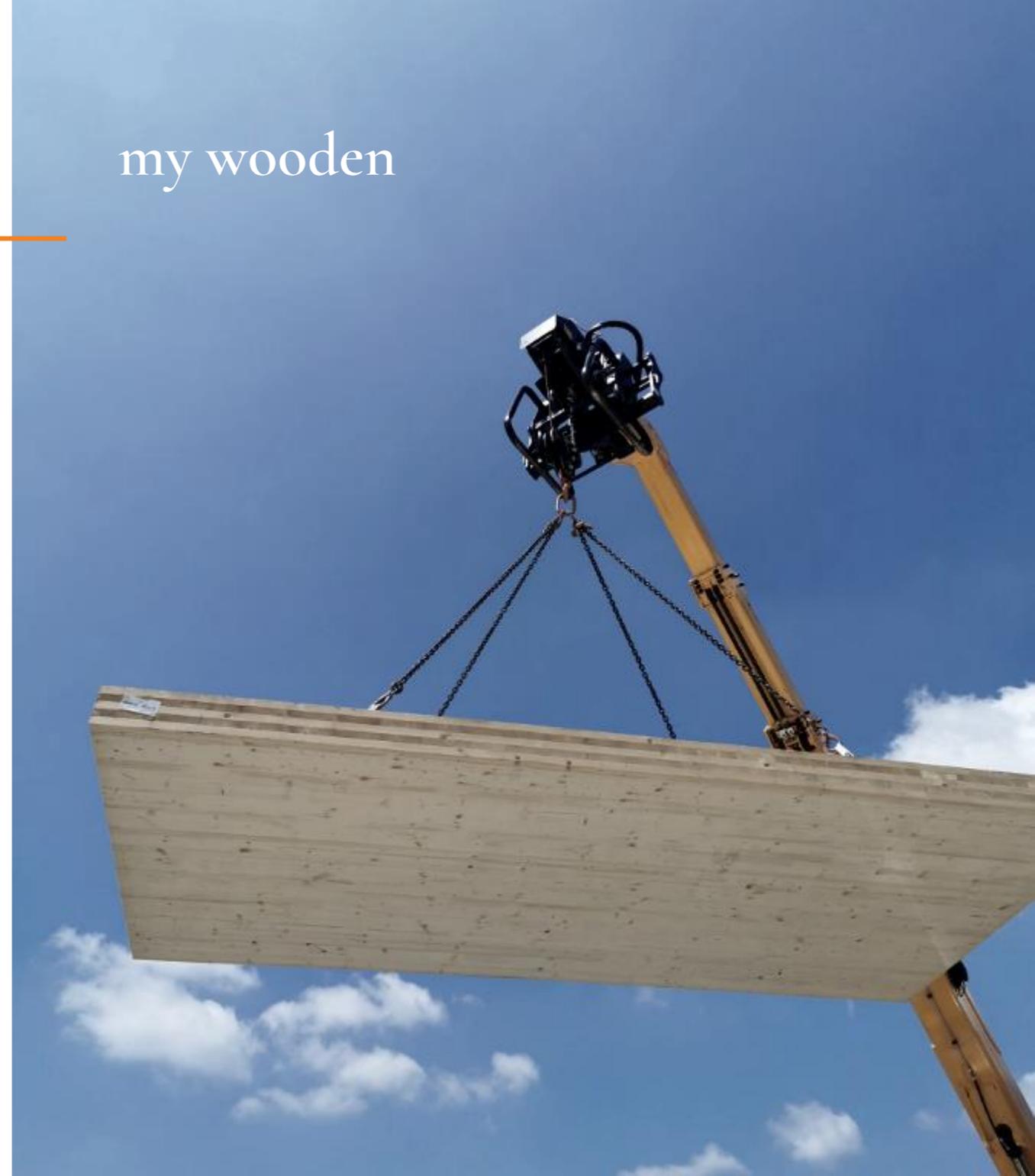
The Grosso team remains at your disposal to advise you on how to complete the finishes of your home. Discover the wood finishes of the “Nature” line!

How long does it take to build

my wooden

The construction of your wooden house is a fairly short process but it will follow some essential steps that will give shape and substance to your housing project. In all these phases and after the construction of your home, our company is at your side to advise you on the best solutions and answer to all your doubts.

The realization times of the entire project may vary according to the customized architectural design by your architect or designer, surveyor or engineer which is of fundamental importance and will last, in our experience, about 6 months since it will have to combine your requests with other various elements including, for example, only the division of the rooms based on the orientation of the house and sunlight. This phase is followed by the executive design by our team of experts which lasts about 1 month, it will adapt perfectly to the architectural project and will be the basis of the subsequent prefabrication process of the wooden structural elements at our company. Each construction element will have to pass a quality check, at the end of which it will be ready to be sent to the construction site where the construction company will have already built the foundations, a very important element, on which the house will be placed. The installation of the structural elements will be carried out by our technicians and subsequently the construction company will take care of the finishing and connections. This second executive phase will last about 2 months and eventually your home will be delivered and ready to be lived in!



2. Wooden Roofs and Slabs



A house with a wooden roof gives its inhabitants a unique feeling of warmth and a timeless charm that creates suggestive and welcoming settings. The wooden roof provides protection from atmospheric agents, from the heat in summer and from cold in winter, creates excellent sound insulation, and eliminates excess moisture from the rooms. Thousands are the Italian wooden roofs designed by Grosso Legnoarchitettura. Solutions that make the difference, in the speed of delivery, in the construction facilities, and in the offer of services aimed at satisfying the expectations of customers and designers.



The great flexibility of use achieved by wood allows you to create any type of roof that can range from the simplest one of the gable roof (for the classic house or terraced house) to the more complex one with multiple pitches and any dormers that we find also in renovations (residential construction), up to reach the covers of large spans that distinguish buildings for tertiary/industrial use or public use such as schools, gyms, swimming pools (large structures).

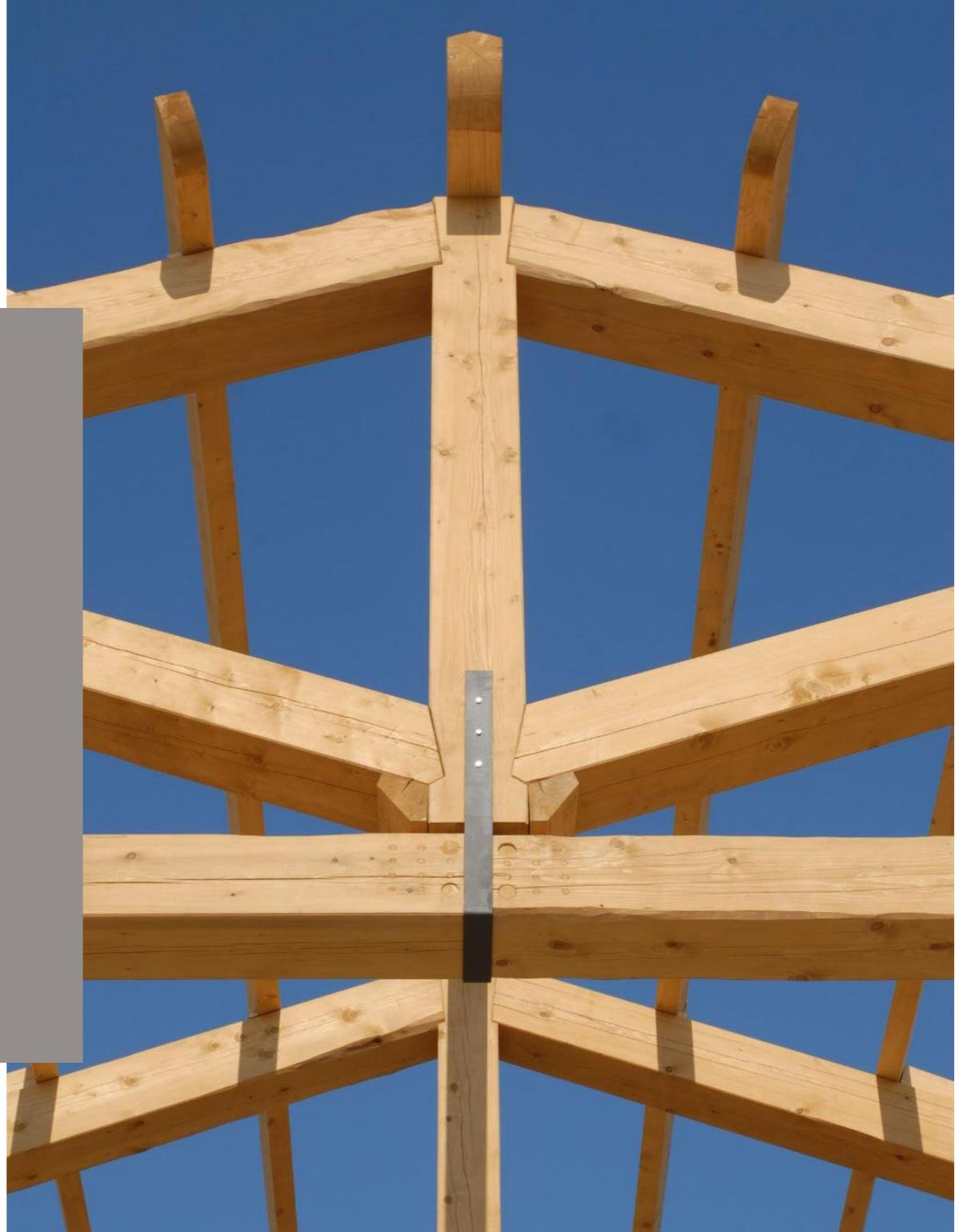
The many years of experience gained in the construction of wooden roofs, extremely diversified by type and size, has led Grosso to be the forerunner in Italy of the "pre-cut" system.

Cutting and pre-assembly avoid the inaccuracies and the consequent waste of time that would occur when carrying out the same operations on site. Only the sophisticated equipment available at the company's facilities can guarantee the highest quality and safety for the construction of structurally perfect roofs and trusses. We also offer a roofing package consisting of a layer of adequate insulation and ventilation, essential if the attics are habitable.

Processing

ROOFS FOR RESIDENTIAL BUILDINGS

We customize each roof based on the customer's requests and needs, both in terms of technical feasibility and in terms of the type of roofing package. The careful study of the construction detail and the connection with different materials such as steel (trusses with an iron chain, etc.) or reinforced concrete, allow finding original solutions from an architectural point of view in compliance with the correct use and processing of wood.





ROOFS FOR LARGE INDUSTRIAL - AGRICULTURAL STRUCTURES

We produce roofing for buildings with large spans for industrial and agricultural construction. Whether they are warehouses, craft premises, warehouses, or any other type of construction, the utmost attention is paid to functionality and compliance with current safety regulations. Buildings of this size can be used for special structural elements such as long trusses or boomerang, lattice, or curved beams.

CASSETTONATO

Wooden ceilings, as we know them today, have undergone various transformations over the years.

In ancient times, in the classic woodworking joints, technologies and materials known today had not yet been discovered, therefore the roofs were formed by load-bearing wooden beams "closed" by side-by-side boards.

Between board and board remained chinks (or were created for movement of the wood). To remedy this phenomenon, a strip was placed above the crack. Thus was born the coffered in the wooden ceilings.

Grosso, wishing to maintain contact with tradition, while always keeping up with the evolution of the sector, has perfected his cassettonato system.

These are load-bearing beams with special pockets on which wooden joint cover strips are placed. Additionally, the exposed planking is laid on top of them. The effect will be identical to the traditional ones, but using the most modern technologies. That's not all! The system can be made with all the finishes of the Nature line such as Sole, Polaris, and Antares.





GROSSO PREASSEMBLED ROOF

To be ahead of the times and maintain a high standard of finishes and quality, Grosso offers a prefabricated roof system. It involves pre-assembling a system of panels for transportable roofing and slabs at our factories.

How do we do it? A technician in charge, before proceeding with the executive design, will go to your construction site to take the exact measurements of your building, with which he will prepare the executive construction project. Once the drawings are completed, the production, with the help of a high-precision numerical control machine, will pre-cut the main and secondary truss and prepare all the necessary material. With the material organized, our staff will assemble it to create panels (including package) ready to be mounted. These preassembled panels will be loaded on a truck that will take it to the construction site and thus set up it will be mounted on the pre-existing structure.

3. Decorative Finishes Nature



Creative solutions, with a strong personality and charm, able to respond to the most diverse interior decoration and style needs. They are made in a workmanlike manner according to the canons and experience that distinguish Grosso Legnoarchitettura.

range that embellishes any architectural space, with the charm of tradition and the ability to adapt to the most modern living concepts.

The particular surface workings of the NATURE line when used create exclusive finishes that embellish each project giving it a strong emotional impact.

Processing



AGING

gives the wood the warmth of a pleasant lived-in effect



COLORING

marries the naturalness of wood with water-based, solvent-free colors



BRUSHING

it leaves the typical veins of the beams and boards in relief



SANDING

enhances the vein of the wood with a smooth and bright appearance

Exclusive decorative finishes created to amaze



SOLE

The aged, brushed, and colored surface

The aging treatment highlights the hardest parts of the wood. Material and warm, it is ideal for recreating the personality of renovated country houses and cottages. The warm atmosphere of Sole is our proposal in a modern key style that reinterprets our architectural culture.

Versatility is the keyword of Antares: modern when combined with laminated wood, ancient when accompanied by hand-beveled solid wood beams. The best answer for every design need. A mix of light and dark shades for a timeless wood updated according to the latest trends.

The aged, brushed, colored, and polished surface

ANTARES



POLARIS

The brushed, colored, and smooth surface

With its brilliance and its three variations of shades, Polaris completes and amplifies the feeling of modernity of the laminated timber's more current look. Polaris opens new horizons to the creativity of design, giving rooms an unprecedented brightness.

All the best of nature in this light-dark effect finish. Strips in various trendy shades set in fir plank or birch panels customizable in many finishes and colors. Atlas allows you to create textured finishes that create dynamism and they personalize extremely contemporary interior designs. The material becomes the protagonist, shapes and covers the environments, and through various combinations of colors creates unique surfaces and exclusive settings.

The light-dark effect surface

ATLAS





4. Loft System

WE TRANSFORM A WOODEN ROOF INTO A WORK OF ART

Loft is the designer ceiling system that blends design, technology, and functionality.

It is made up of customizable and removable decorative panels set between wooden beams thanks to special grooves designer and patented.

A NEW WAY TO REDESIGN THE SPACES

A revolutionary idea that transforms roofs and slabs into a customized architectural project and embellishes the interiors.

The supporting structural component determines and defines the spaces and finishing elements and gives them emotion.

THE DECORATIVE PANELS OF DESIGN

The decorative design panels that create the Loft System, give life to collections that play on inspirations, atmospheres, and different subjects, with a strong visual and creative impact.

The result is an incredible ideal artistic-decorative effect to transform the interior.



PATENTED SYSTEM

The first patented false ceiling system removable and customized for wooden roofs and slabs.

TRANSFORMS YOUR LOCATION

It was created to respond to the need for change in a few simple steps

DESIGN, ART, AND DECORATION

From a simple false ceiling to a design product that furnishes and completes any location.

EASY AND PRACTICAL

Practical answer for an innovative design and to simplify technical needs.



The Pluses



FUNCTIONALITY & PRACTICALITY

It allows obtaining a space where to hide cables, installations, security systems and to place heat-insulating and sound-absorbing panels, creating inspection areas simply and practically.



COMFORT & SAFETY

It improves the acoustic and thermal comfort of the rooms and on request, it can become an excellent solution for adapting new structures to fire regulations, by installing special fire-resistant panels.



APPEARANCE & VERSATILITY

There is no limit to the customization of the panels, both in the choice of materials and colors, textures, and patterns. Versatility allows the designer to express the full potential of his vision.

5. Wooden Special Structures and Realizations



When art and tradition of wood meet **architectural** innovation

We are specialized in making any kind of special construction to offer to the customer a complete service that denotes our expertise in designing works of great prestige.

We can design, cut, and assemble gazebos, arcades, verandas, pergolas, wind walls and sunshades and bridges, large load-bearing structures, special constructions also with curved beams in laminated wood. Our creations can have any type of manufacturing, finish, and color, and they come made following the requests of our customers, private citizens, companies, construction companies, engineers and surveyors, architects, designers.

