



**ALBERTANI**  
CORPORATES SPA

ALBERTANI. BUILDING NATURALLY. *LIVING NATURALLY* /

## ALBERTANI. **BUILDING** NATURALLY /

Building a home is an important milestone in life, as the requirements and needs have to find the right compromise with the resources available. Wooden buildings offer a host of advantages: in economic terms, in the value for money and in the completion time, in terms of the environment, in that they are a truly and deeply eco-compatible solution.

### **With Albertani Corporates**

choosing to build with laminated wood adds even more value to your project. This is because we have been designing and constructing wooden buildings and structures for 40 years with the utmost attention to quality raw materials, in full compliance with the applicable safety and environmental standards. This is testified by the large number of company certifications we hold.

This is also testified by the passion and professional approach we have to every single project, for every single customer:





## ALBERTANI. **LIVING** NATURALLY /

### **Wood is bio-compatible:**

it grows naturally and it guarantees us a natural quality of life, since it does not require any excessive chemical treatment for its care and maintenance.

Nothing is wasted in wood:

out of every 1 cubic metres of wood, approximately 75% can be converted into timber; while the remaining 25% which is incompatible for construction can be used as fuel

for heating or to generate new clean energy. The ensuing CO<sub>2</sub> production from combustion is balanced out by the production of oxygen during the plant's vital phase.

### **Wood is healthy:**

wooden walls stabilise sudden temperature changes.

Owing to its diffusion properties, wood acts like a filter; which retains consumed and harmful air; releasing regenerated air into the environment.

In addition, the release of allergenic or toxic agents is far lower than in other types of constructions.

Wood has excellent breathing properties, which automatically adjust the humidity in the air; protecting against noise, atmospheric and electromagnetic pollution.

### **Wood retains its value:**

it has the property of preserving itself and protecting itself against bad weather thanks to its life cycle, which means it interacts with the seasons.

As the years go by, it gradually hardens.

For this reason, a large number of roofs and floors built centuries ago are still standing today.

### **With Albertani Corporates**

all the advantages afforded by wood are guaranteed by the accurate and professional approach which we implement in our choice of raw materials, in the way in which we work, in our ability to translate an idea or project into comfort, safety, a home.





## ALBERTANI. **CLEAN** ENERGY /

Albertani Corporates  
produces clean energy.

In its industrial processes, Albertani Corporates only uses electricity it produces itself from renewable sources.

The heat necessary for our production plants to operate is completely provided through the combustion of waste virgin wood originating from the various processing phases.

Caring for the environment means  
doing everything in our power  
to protect it.  
We try to do even more.











## ALBERTANI. **ECOCOMPATIBILITY** PLAYS **THE STARRING ROLE** /

Wood is a spontaneous and renewable raw material, which is distributed across the globe and well-known.

### **Albertani Corporates**

only uses wood originating from certified and protected forests, which are managed responsibly and in a sustainable manner by the source countries.

Our production process for construction is developed in full compliance with the applicable safety and environmental regulations, and it is eco-sustainable and low emission.

### **Wood accumulates energy:**

it contains within it all the energy stored over the course of the entire life cycle of the plants from which it is obtained, which have unceasingly absorbed carbon dioxide and solar energy. Wood saves energy, even when it is processed.

Unlike other building materials, which require between 200 kWh (cement) and 800 kWh (aluminium) to be produced, a maximum of 30 kWh is necessary to produce one cubic metre of ready-to-assemble wooden components.

**There's a significant difference!**



## ALBERTANI. SOLUTIONS THAT ENHANCE YOUR ENERGY SAVINGS /

Living in a building that requires little energy to be run is not only a benefit for the environment, but it is also an advantage for its inhabitants. Wooden buildings can easily reach high levels of energy savings (Class A), while remaining affordable and completely on a par with the cost of a traditional building, but with a lower energy class.

Wood retains heat from the inside and from the outside: studies and experiments have demonstrated that with a wooden house, an average energy saving of 40 – 50 % compared to the same building made of cement or bricks can be achieved, and consequently lower pollution levels; to achieve the same level of thermal insulation of a 10 cm wooden wall, a brick wall would have to be 54 cm thick, and a concrete one would have to be 80 cm thick.





## ALBERTANI. **nuEvo** /

WINNER OF THE ECO-LUOGHI 2011

A modular domestic concept based on the use of sustainable construction technologies and cutting-edge energy/technical systems. It could lead to the development of EcoVillages, in other words self-sustainable villages and neighbourhoods in terms of functionality and energy requirements, for a different solution in terms of market and lifestyle. The modular home will be furnished with accessories and interior furnishings by Lettera G, which are all entirely made of recyclable materials.







## ALBERTANI. MULTI-STOREY BUILDINGS /

### Anti-seismic homes

The technology and experience of laminated wood harnessed for great projects.

*Constructed surface area: 13,300 m<sup>2</sup>, 168 units  
Completion time: 78 days*

Building structure made of XILAM (registered trademark) panels produced in the ALBERTANI CORPORATES plants, laminated wood floors with dry completion, external rockwool cladding with plaster finish, internal cladding in plasterboard, glued pine profile windows and doors, armoured front doors and internal doors, oak-wood floors.



# ALBERTANI. **PUBLIC CONSTRUCTION** /

Multi-purpose building

## With Albertani Corporates

multi-purpose buildings assume new shapes  
to express their versatility.

Flexible processing, rapid installation  
and quality results are just the starting point  
to achieve truly satisfactory projects,  
from any point of view.







## ALBERTANI. **PRIVATE CONSTRUCTION** /

Great ideas lead to beguiling solutions.  
And wood has never been so versatile.  
Nature amid nature.  
There is nothing more ecological than this!



*Residential home situated  
in a natural park  
Completion time: 89 days  
Xilam construction elements*



## ALBERTANI. **BUILDING WITH WOOD** IS SAFER /

### Wood is stable:

since it is flexible and sturdy, it can withstand traction forces and partly also compression forces; in addition, it has a less rigid structure and a lower mass than cement, so the period of telluric currents is reduced. For this reason, wooden constructions are safer than traditional ones in the event of an earthquake.

### Wood is fire resistant:

when attacked by fire, it guarantees a good safety buffer; since as it burns, the external layer prevents the fire from progressing through the resistant section.

So it is sufficient to increase the thickness of the wood to obtain the same effect an intumescent varnish has on cement or steel, but without the related costs.





## ALBERTANI. IN THE FIELD OF LARGE STRUCTURES /

With Albertani Corporates  
important ideas translate  
into great projects.  
And the extraordinary wealth  
of wood turns the space  
in which we live every day  
into a warmer, more comfortable,  
more welcoming place.  
Simply more beautiful.









## ALBERTANI GROUP /

Five company divisions, six production sites, and three hundred and fifty employees for a company that believes in the quality of simple things: natural materials, production and organisational capacity, dedication to work.

Light-weight constructions, minimum seismic action, simplicity of transportation and assembly, lower cost of foundation works, ecology and environmental awareness.

With our products, you will discover how natural it is to build with wood.

**Albertani Corporates.**

**One name for many activities:  
guaranteed consistency, commitment and success.**

The production process at Albertani Corporates is developed in full compliance with the applicable safety and environmental regulations; and it is eco-sustainable and low emission. Certified ISO 9000 and I4000.

### **ALBERTANI CORPORATES SPA CONSTRUCTION SYSTEMS**

**Antiseismic, bio-compatible, sustainable, ecological:  
our prefabricated construction systems in laminated wood  
are adaptable to any type of project  
and to a host of intended uses.**

***XILAM.*** Structural panels layered in a criss-cross pattern and glued together.

***LIGNUM K.*** Insulating and structural panel, ideal for roofs, walls and floors; affording a high load-bearing capacity which allows the elimination of secondary partitions.

***FRAMED WALL.*** Wall built with a laminated wood frame in which the insulating material and installations are incorporated.

***H.S.B.*** Dry connector for mixed wood-concrete structures.

***STEK.*** Mixed wood/polystyrene foam component that teams mechanical resistance with characteristics of high thermal resistance.

***BLOCKHAUS.*** Traditional house construction method, where the laminated beams are overlaid, along the horizontal axis, to form the walls.



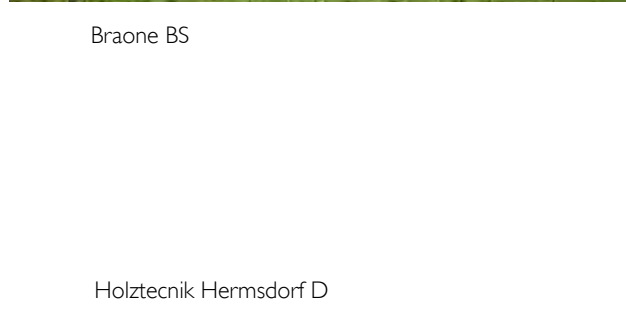
Edolo BS



Mondolfo PU



Braone BS



Holztechnik Hermsdorf D



Ascoli Piceno

ALBERTANI. **SITI** PRODUTTIVI /

ALBERTANI.  
**PRODUCTION SITES**



Bazzano AQ





# ALBERTANI. CERTIFICATIONS

Albertani Corporates Spa, quality you can see.

CE - ISO 9001 - ISO 14001



**MPA** MPA STUTTGART  
Otto-Graf-Institut  
Materialprüfungsanstalt · Universität Stuttgart



ETA - 12/0172





Albertani Corporates spa  
Via Corsica 143  
I-25125 Brescia  
Tel +39 030 2427893  
Fax +39 030 2450903  
[www.albertani.com](http://www.albertani.com)