



**The leading modular homes supplier**

# Triangle house--Tree Frog



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## Succucessful Case



### The performance characteristics of wooden structure products are seismic and structurally safe

Due to its light weight, the wooden structure house absorbs relatively little seismic force during an earthquake; the spatial box structure composed of floor slabs and wall systems enables interaction between the components. Most of them stay in place during the earthquake, or the whole is slightly deformed. Will not fall apart. For example, in the major earthquakes in San Francisco, Kobe, and Taiwan, most of the timber-framed houses remained intact as a good proof.

### Good fireproof, moistureproof and sound insulation effect

The fire protection of light wood structures is like putting on a flame-retardant or non-combustible fire protection jacket for combustible wood components including walls, floors, ceilings and roofs. Generally, fire-resistant gypsum board is used to block the flame and wood components. The contact, while meeting the fire resistance limit requirements stipulated by relevant codes. Experiments have proved that even an economical wooden structure house has a fire resistance of no less than 2 hours. Experts believe that when the equilibrium moisture content of wood is below 19%, the insects cannot survive. The average moisture content of the wood used to build American-style wooden houses is only 17%. Coupled with strict and unique construction technology, one-way breathing paper is added to the structure, so that the air inside the house can be released, but the moisture outside the house cannot enter; In addition, coupled with the unique drying technology and moisture-proof technology, the wooden house has become a house with excellent moisture-proof and breathable properties.

### Strong mobility, simple construction and short period

The structural components and connectors used in wooden houses are all standardized in the factory. The construction and installation speed is much faster than that of concrete and brick-concrete structures, and the construction quality is guaranteed. Due to the prior knowledge of the precise dimensions and construction materials of the building, almost all prefabricated parts can be completed outside the construction site, and building a house is as easy as building blocks

### Energy saving and environmental protection

Compared with steel, aluminum, and plastic, wood not only has the smallest energy consumption in production, but also wood-structured buildings have good thermal insulation properties. Studies have shown that: For the same thermal insulation effect, the thickness of wood is 1/15 of that of concrete and 1/400 of steel. When using the same glass fiber or foam plastic as the thermal insulation material, the thermal insulation performance of the wood structure is 15%-70% higher than that of the steel structure, which can greatly reduce the energy consumption of the building.

### Protect resources and be environmentally friendly

At present, 700 billion clay bricks are produced every year to build houses in my country, and more than 100,000 mu of cultivated land is destroyed. The Ministry of Housing and Urban-Rural Development and the Ministry of Land and Resources have issued documents requesting that the use of solid clay bricks in residential buildings is prohibited within a limited time. Wood structure house is one of the good substitutes for brick-concrete structure house. The average life span of a building is about 50 years. The disposal of demolished building materials has always been a major issue that plagues the urban ecological environment. For this reason, modern materials should be developed in the direction of environmental protection, and wood is the building material that has been proven to meet environmental protection requirements. It can be seen from Table 1 "Analysis of the Impact of Two Building Systems on the Environment" that wood has environmental advantages, and the use of wood building materials not only conforms to the national industrial policy of building ecological housing, but also conforms to the concept of healthy housing.



## Corporate philosophy

1. New fabricated low-carbon green based on modern wood structure combined with energy equipment and technology building.
2. Individualized and flexible design to achieve a high degree of unification of architectural form and structural performance to meet individuality Demand
3. The large-scale prefabrication of the factory strictly controls the accuracy of all constructions to ensure the durability of the overall structure and Earthquake resistance.
4. Quick assembly on site to reduce dust on the construction site. Green construction.



## Factory profiles

Our cooperative factory was established in 1998 with six subsidiaries, 3 production and processing plants. The factory covers a total area of more than 80,000 square meters. Planning, design, production, installation, interior decoration (design, professional Prefabricated production, market-oriented sales, installation, life-long maintenance). Build production enterprises. Our company is also committed to tourism development projects, which is the only A CCTV network advertising partner, and obtained a number of patented technologies.

Our factory is a professional wooden house manufacturing factory with large scale, complete equipment and strong production capacity in Zhejiang Province, Sichuan Province, Guangdong Province, Jiangxi Province, Guizhou Province and Hunan Province.

The factory's main products include residential villas, large villas, restaurants, holiday wooden houses, Wooden house decoration, wooden bar restaurant, hotel, shop, pavilion, plank road and scenery Tourism area, etc., is the first in China to integrate Chinese and Western cultural design concepts Modern and antique design and construction service builders. With standard parts, plug-in wood. The house integration manufacturer is also the first domestic decoration industry to launch. A solid wood decoration company with the concept of "home, enjoy the ecology"!





## Factory flow production



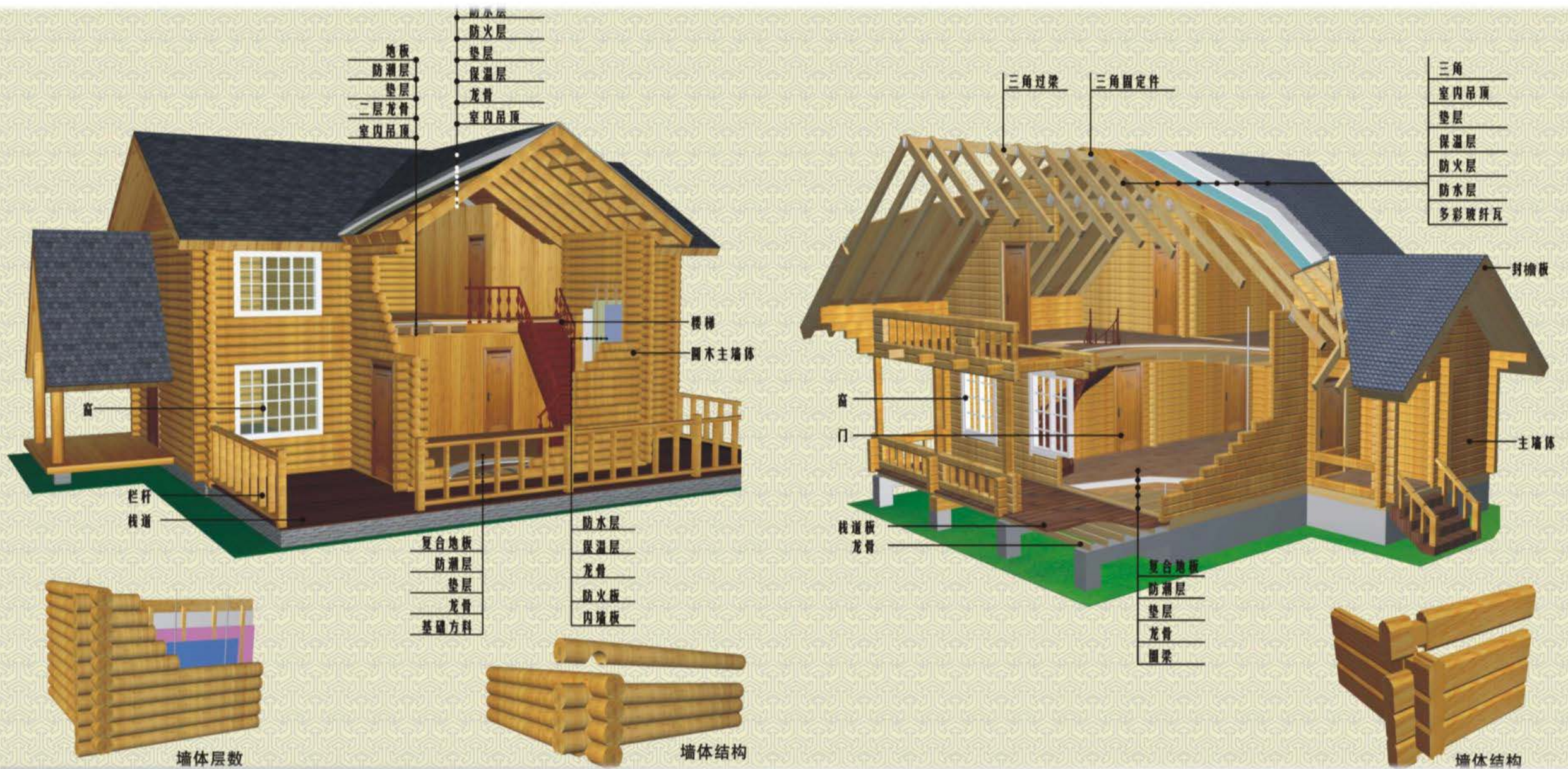
# Product diagram



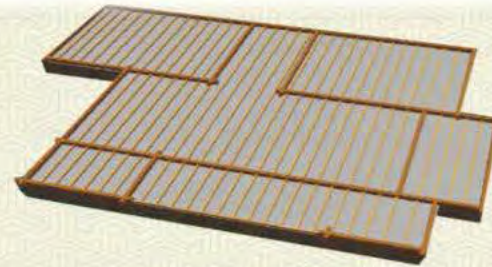
## Wooden house structure -- Beam-column structure



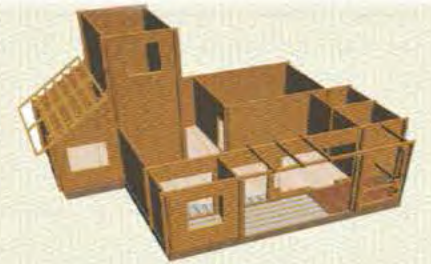
# Wooden house structure -- woodcut



# Wooden house structure -- two four light wooden house structure



基础龙骨与横梁铺设



组装墙体



三角组成

木屋结构特点：

施工期短、设计灵活、低传导性、不怕火灾、无水凝结性、抗震性最佳



# Wooden house structure -- GLT heavy timber structure



## **Sucuccessful Case**

- **Scenic spots, homestay**
- **Trailer House**
- **Tree House**



- Scenic spots,  
homestay



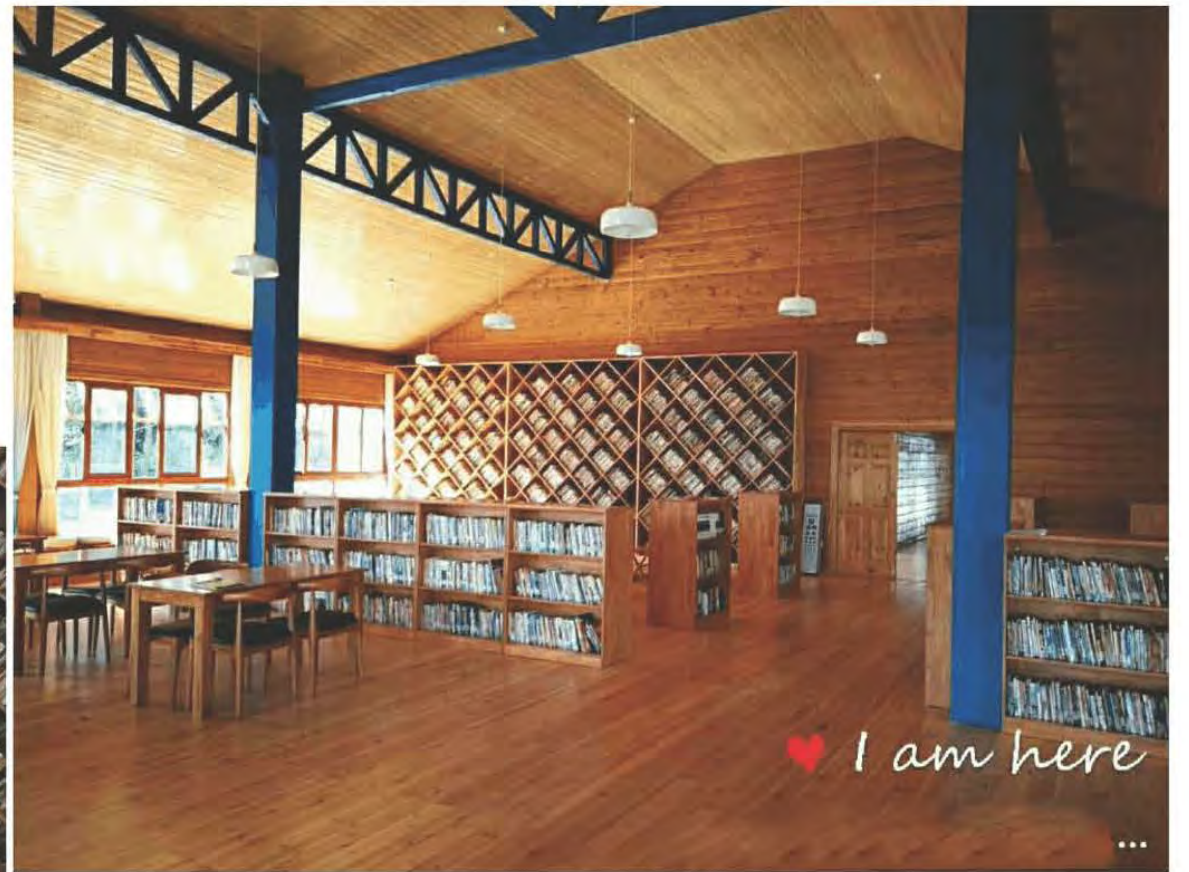
- **Scenic spots,  
homestay**



- Scenic spots,  
homestay



# Library



- Scenic spots,  
homestay



- Scenic spots,  
homestay



- Scenic spots,  
homestay



# Clubhouse







**Clubhouse**



**Manor**

# Eco-toilet, kiosk, guard house



# Tailer House Tiny House



Tree house  
Boat house  
Tent house

