



StoraEnso

03 Aug 2026

Casa ad un Piano

Teolo, Italy

Partner of Stora
Enso



Casa ad un Piano (Single Story House) is a single-story residence designed to fulfil three essential client goals: formal simplicity, energy efficiency, and the use of natural materials. The house is located in a residential redevelopment area on land formerly occupied by a brickworks, offering a unique opportunity to integrate sustainable architecture into a historically industrial site.

The home's rectangular floor plan is developed entirely on one level and draws inspiration from traditional Venetian rural architecture. Its asymmetric gabled roofs and clean, elegant composition reflect a modern interpretation of local heritage.

The design emphasises spatial optimisation and a harmonious relationship with the surrounding landscape. At the heart of the house is the living area, which opens generously to the garden through a large, glazed façade, creating a seamless connection between interior and exterior spaces.

Structural mass timber system

The building's load-bearing structure is constructed using Sylva™ prefabricated cross-laminated timber (CLT) elements by Stora Enso. This system enabled precise planning, predictable costs, and reliable construction timelines.

Sylva's engineered mass timber components support both architectural flexibility and high-performance energy standards, making it an ideal solution for sustainable residential design.

Interior and materiality

Inside, the atmosphere is defined by exposed wooden structures that lend warmth and character to the space. A custom-designed furniture element separates the living and sleeping areas, replacing traditional partition walls with a functional and aesthetic solution. The material palette includes fir wood for structure and finishes, cork for insulation, and rammed earth for interior walls.

Performance and sustainability

Natural light floods every room, enhancing occupant well-being and reducing energy consumption. The Sylva system's prefabrication and material efficiency contribute to lower carbon footprint and operational costs.



General

Delivery year

2022

Building type

1-2 Family Dwellings

Area (m²)

320

Storeys

1



Photo credit: arch. Marco Baldassa

Products

Products and Services

Sylva™ CLT Floors and Roofs,
Sylva™ CLT Walls

Product volume (m³)

30

Team

Partner of Stora Enso

MAK Building

Architect

arch. Marco Baldassa

Main contractor

ALPENOS di STP srl

Specialist Timber Subcontractor

ALPENOS di STP srl