



StoraEnso

Ossana Primary School Extension

Ossana, Italy

Partner of Stora
Enso

Designed to be welcoming, modern, and energy-efficient, this school extension is located in northern Italy's Trentino region, beneath the historic Castle of San Michele. The school serves as a central educational and community hub for the surrounding Alpine valleys.

Inclusive design for learning

The single-storey structure includes six classrooms, two laboratories, two multifunctional rooms, a shared atrium, and a connecting corridor to the existing middle school. The layout promotes accessibility and natural light, supporting a healthy and inclusive learning environment.

High-Performance

Over 800 m² of prefabricated [Sylva™ CLT Walls Floors and Roofs](#) were used for the structure. The building features an 18 cm thermal plaster coat, local larch slat cladding, triple-glazed windows, and low-emission linoleum flooring—materials chosen for their durability, tactile quality, and minimal VOC emissions.

Certified sustainability

The school extension meets **Class A+ energy standards**, and holds both **ARCA GOLD** and **LEED SILVER** certifications.

A 20 kW photovoltaic system powers a heat pump and two autonomous air exchange units with full heat recovery. All systems are centrally managed via a digital control platform, enabling real-time monitoring and optimization.

Wood origins

forests, ensuring that the timber used comes from sustainably managed forests. PEFC is one of the most trusted and widely recognised certifications for sustainable forest management. [PEFC-certified](#) The Sylva™ elements were made with wood sourced from

Fast, efficient delivery

Despite its technical complexity, the project was completed in just **205 days**, allowing the school to open on schedule for the new academic year on **12 September 2022**.

General

Delivery year

2022

Building type

Education

Area (m²)

1,028

Storeys

1

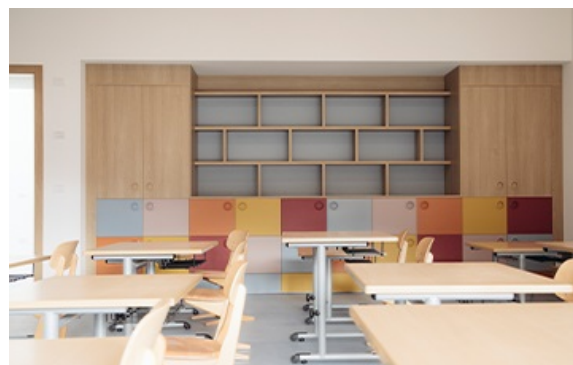


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StoraEnso

Products

Products and Services	Product volume (m ³)
Sylva™ CLT Floors and Roofs, Sylva™ CLT Walls	800

Team

Partner of Stora Enso

MAK Building

Architect

ART&CRAFT – arch. Daniele
Bertolini – arch. Catia
Meneghini

Main contractor

ALPENOS di STP srl

Specialist Timber Subcontractor

ALPENOS di STP srl