

SCHOOL COMPLEX - RENO CENTESE (FERRARA)

THE REBIRTH OF A SCHOOL THAT STARTS FROM WOOD

The new Reno Centese school consists of 4 structurally independent blocks: the first houses two sections of the kindergarten, in the middle the "hall and canteen", followed by the block of the primary section and finally (to the west) the gym. A building, as highlighted by the designers, of 2,550 square meters made of wood with Xlam panels, anti-seismic, technologically modern and with zero impact from the point of view of energy consumption. On the roof there is also a 44 kw photovoltaic system and surface heat treatment.

PRODUCT SPECIFICATION

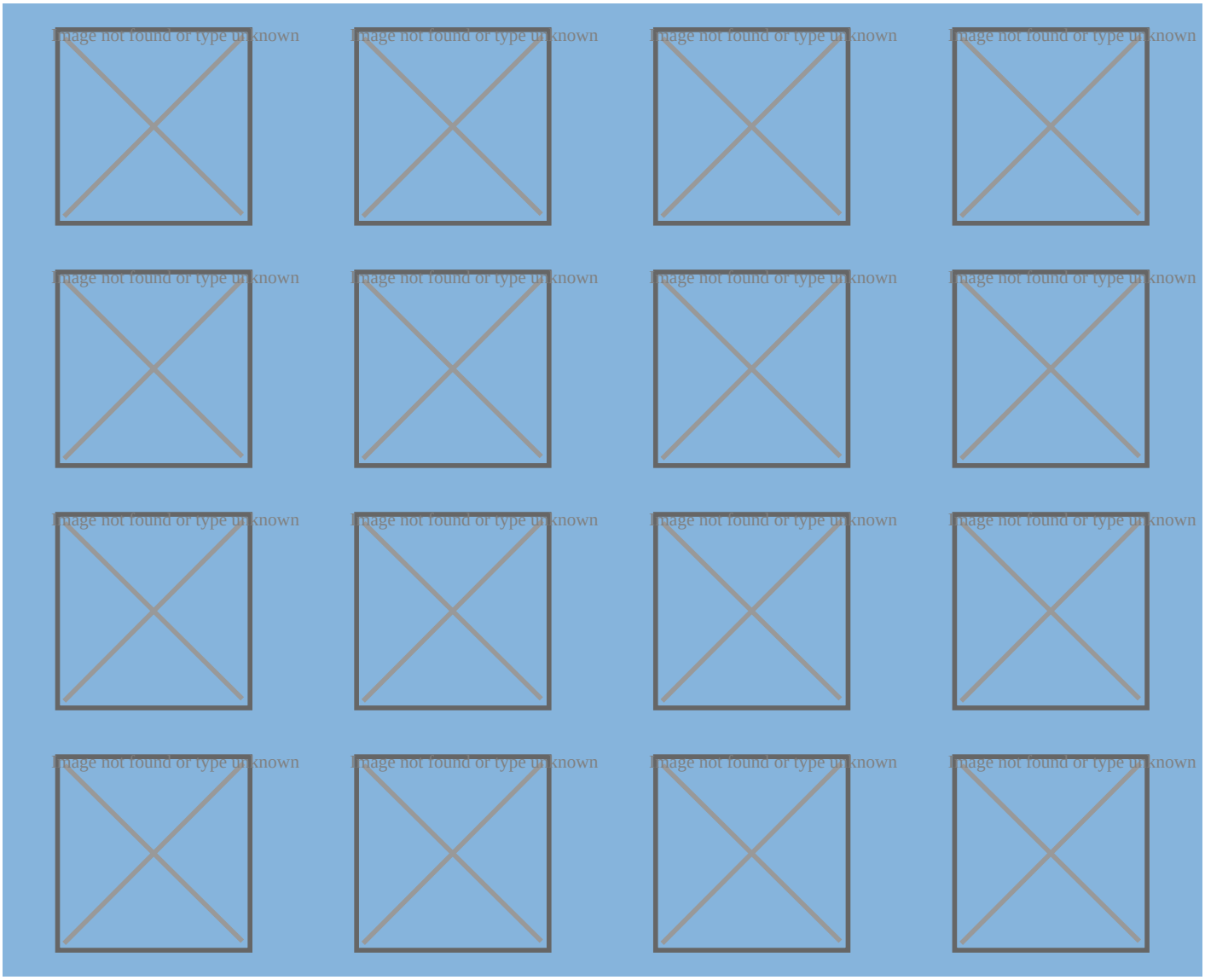
School

Localization: Reno Centese (Ferrara)

Intended use: Schools

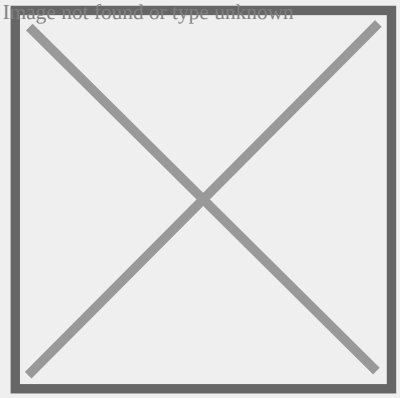
Architetural and structural design: Studio Ambiente Vario

Total area: 2550ft



BUILDING SYSTEM

XLAM



Reasons for choosing the Xlam system

The Xlam system is a technical innovation in the construction of timber homes and buildings. The system's exceptional versatility allows the creation of a wide range of architectural constructions, including multi-storey **timber buildings**. The system assures **optimal thermal insulation** and a high level **of fire resistance**, a fast drying process and exceptional **acoustic insulation**.

About the Xlam system

The Xlam panel is composed of crossed layers bonded together, making the construction system extremely **versatile**. Composed of 99.4% timber and 0.6% adhesives, Xlam is considered to be a monolithic material **capable of supporting very high loads and withstanding external stresses and seismic activity**.

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Sede / Headquarter:

Sistem Costruzioni s.r.l.
Via Montegrappa 18 - 20
41014 Solignano di Castelvetro (MO), Italy
Tel. +39 059 797477 - 797591
Fax. +39 059 797646

info@sistem.it
www.sistem.it

Sucursal Cuba

Centro de Negocios Miramar
Calle 3a e/e 76 y 78, Edificio Beijing,
Piso 1, Oficina 133
Ciudad de la Habana, Cuba
Tel. 0053 7 2040823

sistemcuba@enet.cu
www.sistem.it