

EXPANSION OF OFFICES IN SAN LAZZARO - BOLOGNA

A REALIZATION WITH A FRAME SYSTEM

In San Lazzaro di Savena, on the outskirts of Bologna, Sistem Costruzioni has carried out the expansion of an office complex using the frame system. This modality has made it possible to create flexible and functional structures, able to fit perfectly into the architectural context and to guarantee exceptional anti-seismic and energy qualities.

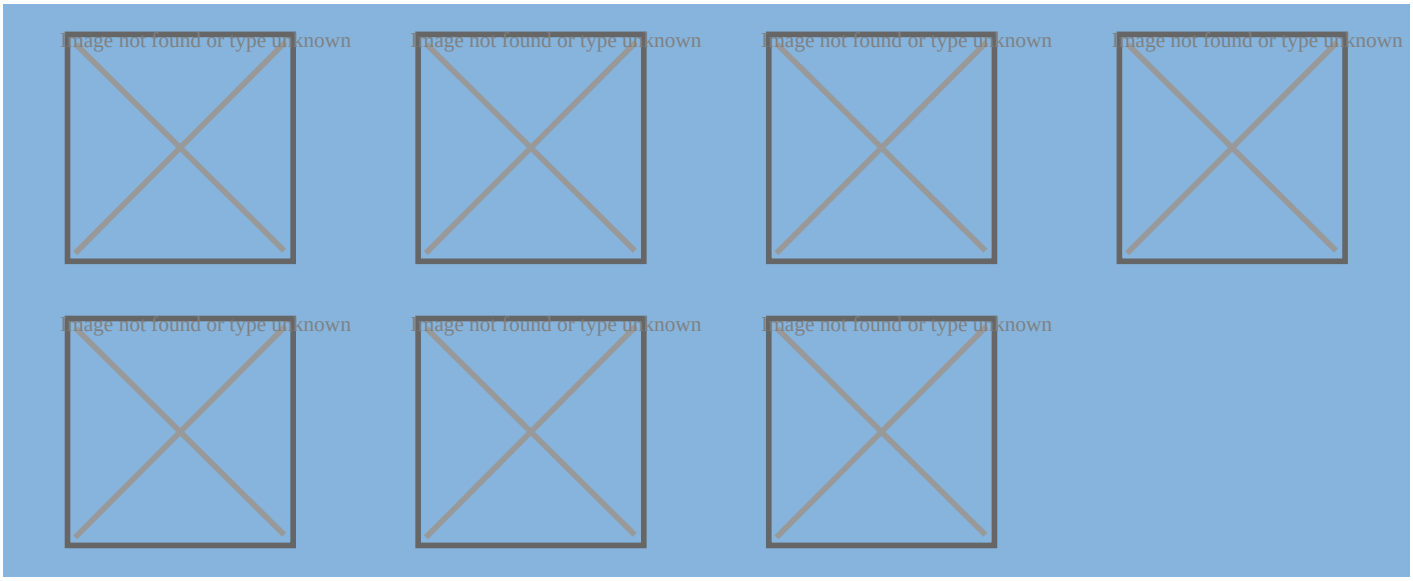
PRODUCT SPECIFICATION

Localization: San Lazzaro di Savena

Intended use: Factories

Architetural and structural design:

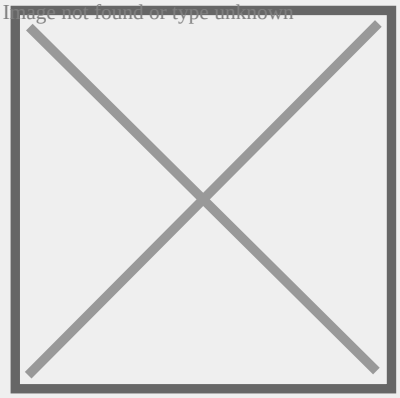
Total area: ft



BUILDING SYSTEM

Post & beam

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The frame of the timber house – a solid, eco-sustainable and versatile load-bearing structure

The post & beam construction system uses **laminated wood columns** (vertical members) **and beams** (horizontal members) **to** create the building's load-bearing structure. These loading elements are arranged in such a way as to guarantee **total flexibility for the design of the facades and internal partition walls**. The strengths of this construction technology, which is perfect for multi-storey buildings, lie in the **freedom for distribution of the interior walls and the facility to reposition them also at a later date**, the **architectural flexibility in the design of the facades,** and the **low incidence of cubic metres of timber per square metre of building space**.

A timber building with high seismic resistance

The functions of stiffening and bracing to withstand seismic loads are performed by diagonal braces made of timber or steel, or alternatively by column-beam nodes designed as interlocking or semi-interlocking joints.

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