

DomusLignea

by [vincenzo guzzo](#) / ⌚ 2018-06-05 11:02:44 / Italie / 👁 7429 / 🇮🇹 IT



New Construction

Primary energy need :
11 kWhpe/m².anno
(Calculation method :)

ENERGY CONSUMPTION

Economical building *Building*

- < 50 **A**
- 51 à 90 **B**
- 91 à 150 **C**
- 151 à 230 **D**
- 231 à 330 **E**
- 331 à 450 **F**
- > 450 **G**

Energy-intensive building

Building Type : Collective housing < 50m

Construction Year : 2017

Delivery year : 2017

Address 1 - street : via Martiri Palestinesi 20092 CINISELLO BALSAMO, Italia

Climate zone : [Csa] Interior Mediterranean - Mild with dry, hot summer.

Net Floor Area : 1 200 m²

Construction/refurbishment cost : 2 500 000 €

Number of Dwelling : 16 Dwelling

Cost/m2 : 2083.33 €/m²

General information

Intervention of social housing contracted in XLAM

Data reliability

Self-declared

Stakeholders

Contractor

Name : Galimberti s.r.l.

Contact : via dell'Industria Paderno Dugnano (MI)

Construction Manager

Name : vincenzo guzzo

Contact : via Carducci, 14 Cinisello Balsamo

<http://www.studioguzzopartners.com/>

Stakeholders

Function : Designer

vincenzo guzzo

via Carducci, 14 Cinisello Balsamo

<http://www.studioguzzopartners.com/>

Function : Structures calculist

Bernasconi Andrea

Contracting method

Build and sell construction

Owner approach of sustainability

Excellent balance between architectural quality / costs / obtaining the result.

Architectural description

Ecosustainable building entirely realized with supporting structure in XLAM.

Energy

Energy consumption

Primary energy need : 11,00 kWhpe/m².anno

Primary energy need for standard building : 29,00 kWhpe/m².anno

Calculation method :

Renewables & systems

Systems

Heating system :

- Urban network

Hot water system :

- Urban network

Cooling system :

- Reversible heat pump

Ventilation system :

- Double flow heat exchanger

Renewable systems :

- Solar photovoltaic

Products

Product

XLAM

Stora Enso

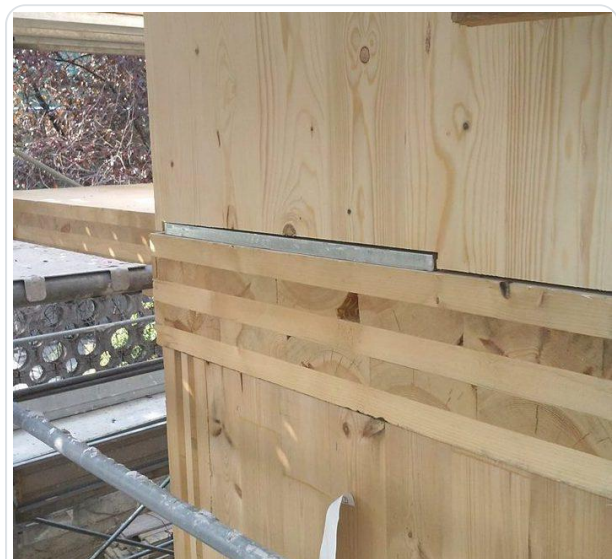
World Trade Center, Klarabergsviadukten
70, C4 P.O. Box 70395 SE-107 24
Stockholm, Sweden

<http://www.storaenso.com>

Product category :

Construction system in laminated wood

excellent



Costs

Construction and exploitation costs

Total cost of the building : 2 500 000 €

Urban environment

Excellent inclusion in the existing context.

Land plot area

Land plot area : 2 000,00 m²

Built-up area

Built-up area : 1 200,00 %

Parking spaces

26

Building Environmental Quality

Building Environmental Quality

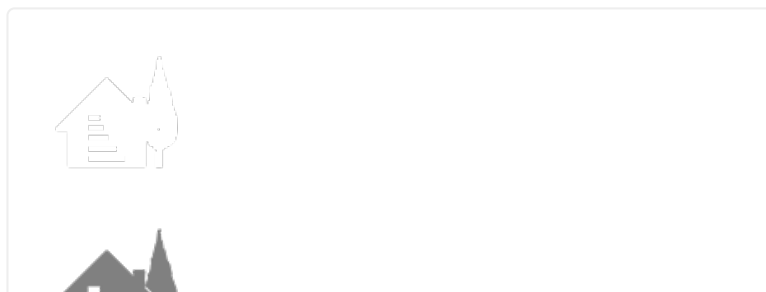
- Building flexibility
- indoor air quality and health
- consultation - cooperation
- acoustics
- comfort (visual, olfactive, thermal)
- energy efficiency
- renewable energies

Contest

Reasons for participating in the competition(s)

New conventioned residential building. Structure entirely in XLAM. Four floors above ground plus basement for use in garages and cellars.

Building candidate in the category





Energia e Climi Temperati



Bassa Emissione di Carbonio



Salute e Comfort



Utenti Preferito