

## DomusLignea

by [vincenzo guzzo](#) / ⌚ 2018-06-05 11:02:44 / Italie / 👁 7349 / 🇮🇹 IT



New Construction

Primary energy need :  
**11** kWhpe/m<sup>2</sup>.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.

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**Net Floor Area** : 1 200 m<sup>2</sup> SHON

**Construction/refurbishment cost** : 2 500 000 €

**Number of Dwelling** : 16 Dwelling

Cost/m<sup>2</sup> : 2083.33 €/m<sup>2</sup>

## 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/>

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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/m<sup>2</sup>.anno

Primary energy need for standard building : 29,00 kWhpe/m<sup>2</sup>.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

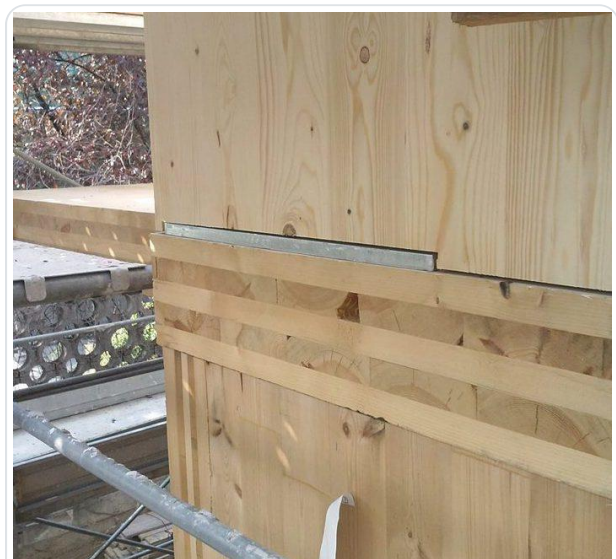
World Trade Center, Klarabergsviadukten  
70, C4 P.O. Box 70395 SE-107 24  
Stockholm, Sweden

<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 m<sup>2</sup>

## Built-up area

Built-up area : 1 200,00 %

## Parking spaces

26

## Building Environmental Quality

### Building Environmental Quality

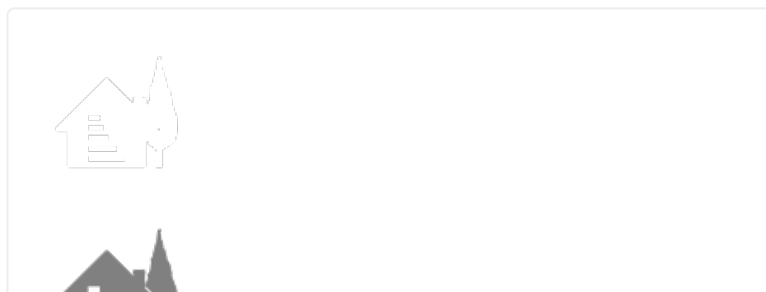
- Building flexibility
- indoor air quality and health
- consultation - cooperation
- acoustics
- comfort (visual, olfactive, thermal)
- energy efficiency
- renewable energies

## 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