DomusLignea

by vincenzo guzzo / 2018-06-05 11:02:44 / Italia / 7752 / IT

New Construction

Primary energy need:

11 kWhpe/m².anno

(Calculation method: UNI TS 11300)

ENERGY CONSUMPTION

Economical building

<table>
<thead>
<tr>
<th>Building Type</th>
<th>Primary energy need</th>
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<tbody>
<tr>
<td>New Construction</td>
<td>&lt; 50A</td>
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<tr>
<td></td>
<td>51 a 90B</td>
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<td></td>
<td>91 a 150C</td>
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<td>151 a 230D</td>
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<td>231 a 330E</td>
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<td>331 a 450F</td>
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<td>&gt; 450G</td>
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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 Other
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: UNI TS 11300

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: Opere strutturali / Struttura - Involucro - Finitura
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

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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 conventional 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