Zenale Building

by Filippo Taidelli Architetto / () 2017-05-31 15:49:51 / Italie / () 8592 / 🍽 IT



Primary energy need: kWhpe/m².anno (Calculation method :)					
ENERGY CON Economical building < 50 A					Building
51 à 90 B 91 à 150 151 à 230	C				C
231 à 330 331 à 450	E	F			
> 450 Energy-intensive bl	uilding	G			

Building Type : Collective housing < 50m Construction Year : 2012 Delivery year : 2012 Address 1 - street : 20123 MILANO, Italia Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 3 000 m² SHON RT Construction/refurbishment cost : 4 000 000 € Cost/m2 : 1333.33 €/m²

Proposed by :



General information

The intervention involves the complete renovation of a 1901 building in the historic center of Milan. The building thatHas a "L" shape and overlooks an inner courtyard, spreads over five floors and houses flats, laboratories and new shops on the ground floor. On the outside as well as for the restoration of the existing façades, a new prospect faces the neighboring garden. At the center of this front is created a full-height recess that accommodates the loggia and creates the feeling of being faced with two distinct factory buildings: a brick tower with views of the park's openings and a classic facade that goes on camouflaging The street front. The formal result obtained allows the building to integrate harmoniously with architectural preesistence. The loggias, which are born in the new cavity, are characterized by a steel parapet arranged for the placement of plants and flowers; On the top floor instead a terrace is created that highlights the gap between the two volumes. The intervention on the inner court is aimed at ensuring visual continuity between the road and the inner park thanks to the large glazed openings that bring air and natural light even in the underground spaces of the building. In the building a new enclosure insulation and modern plant solutions such as a water heat pump and radiant floors have been set up to provide maximum thermal comfort for users with minimal energy consumption. Credits:

CUSTOMER

Real Estate Zenale S.r.I

DESIGN AND DL

Arch. Filippo Taidelli

PARTNER

Arch. Piero Castellini

- GENERAL CONTRACTOR
- Coima Project S.r.l.
 - WOODEN WORKS

Ori & Bonetti

• INSTALLATIONS

Manens Intertecnica

GEOTHERMAL

- Ing. Stefano Sesana
 - STRUCTURES

Enco Engineering ConsultingcalculationsStudio Three

• SAFETY

Arch. Carmine Concas

PHOTOGRAPHER

Andrea Martiradonna

COLLABORATORS

Marta Brambilla, Josè Bove, Elisa Castelli, Roberto Leva, Francesco Nava, Franco Bucci, Claudia Brunelli, Vincenzo Cuozzo, Luigi Martinelli

Data reliability

Self-declared

Stakeholders

Stakeholders

Function : Contractor Immobiliare Zenale S.r.L.

Corso Vittorio Emanuele 9 - 20122 Milano

Function : Designer Filippo Taidelli Architetto - FTA

Filippo Taidelli - Via Ascanio Sforza 81/A - 20144 Milano

http://www.filippotaidelli.com/

Function : Company Coima S.r.L.

via Fatebenefratelli 9 - 20121 Milano

Attp://www.coima.it

Function : Company Ori & Bonetti

via Oglio 4 - 26030 Cicognolo (Cremona)

http://www.oribonetti.it/default.htm

Function : Thermal consultancy agency Manens Intertecnica S.r.L.

Via Campofiore 21 - 37129 Verona

Function : Structures calculist

Enco Engineering Consulting S.r.L.

Via Carlo Urbino 52 - 26013 Crema (CR)

Function : Others

S.S.dei Giovi 22 - 22070 Vertemate con Minoprio (CO)

Energy

Renewables & systems

Systems

Heating system :

- Geothermal heat pump
- Low temperature floor heating

Hot water system :

- Condensing gas boiler
- Heat pump

Cooling system :

Geothermal heat pump

Ventilation system :

• humidity sensitive Air Handling Unit (hygro A

Renewable systems :

• Heat pump (geothermal)

Costs

Construction and exploitation costs

Cost of studies : 4 000 000 €

Land plot area

Land plot area : 630,00 m²

Built-up area

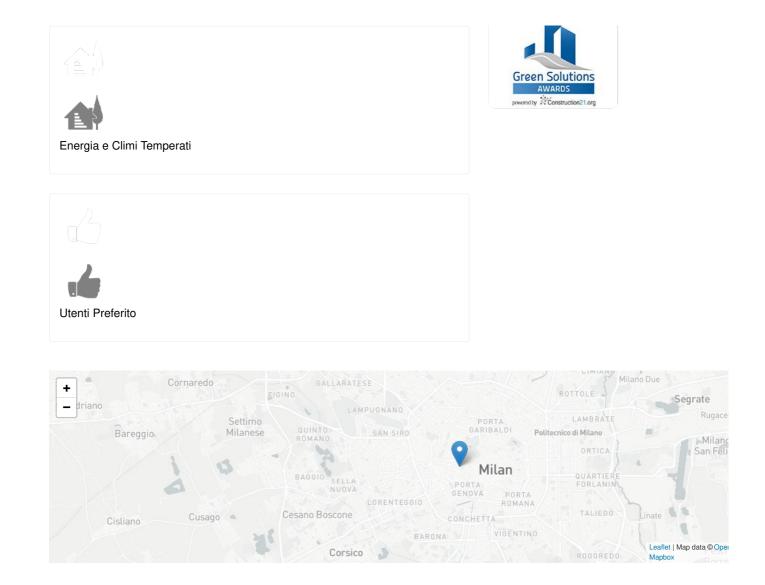
Built-up area : 74,00 %

Building Environnemental Quality

Building Environmental Quality

energy efficiency

Contest



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