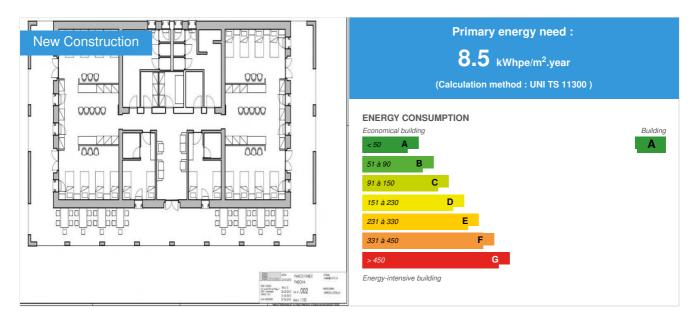
CONSTRUCTION21,

Ostello Fenice

by Stefano Grigoletto / (1) 2012-02-28 15:19:56 / International / (5) 5221 / 📁 EN



 Building Type : Student residence

 Construction Year : 2011

 Delivery year : 2011

 Address 1 - street : Via Lungargine Rovetta 28 35100 PADOVA, Italy

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

Net Floor Area : 277 m² Useful area (es) Construction/refurbishment cost : 2 000 000 € Cost/m2 : 7220.22 €/m²

General information

Didactic Hostel with : • 32 beds in 4 dormitories with 8 beds • 4 beds in 2 double rooms with bath;

Stakeholders

Stakeholders

Function : Designer Ing. Domenico Schiesari

Via Berchet, 16 Padova (PD)

Function : Construction company Bido Costruzioni SPA

Via E. Mattei, 15 Piove di Sacco (PD)

Energy

Energy consumption

Primary energy need : 8,50 kWhpe/m².year Primary energy need for standard building : 23,10 kWhpe/m².year Calculation method : UNI TS 11300 Breakdown for energy consumption : Cooling EPe 1.28Heating EPi 8.51Hot Water 24.7

Envelope performance

Envelope U-Value : 13,80 W.m⁻².K⁻¹ Building Compactness Coefficient : 0,80 Indicator : DIN 4108-7

Renewables & systems

Systems

Heating system :

• Heat pump

Hot water system :

Solar Thermal

Cooling system :

No cooling system

Ventilation system :

Natural ventilation

Renewable systems :

- Solar photovoltaic
- Solar Thermal
- Heat pump (geothermal)
- Micro wind

Environment

Urban environment

Identified in an abandoned and heavily polluted site (6Ha) adjacent the 1050ha productive area of Padua a unique strategic ground for an integrated action: create an active body to reduce the environmental impact of the industrial estate of Padua (1600 enterprises operate in it) by encouraging the development and diffusion of renewable technologies; preserve one the largest green areas from degradation by giving it an innovative public fruition (a newly conceived naturalistic park); yield the city cultural and civic life, traditionally located within the historic centre, a vital connection with its industrial therefore extremely anonymous quarter by enhancing the Isola di Terranegra context as its natural juncture.

Land plot area : 60 000,00 m²

Built-up area : 30,00 %

Costs

Construction and exploitation costs

MESUIIU

Global cost : 2 000 000,00 €



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