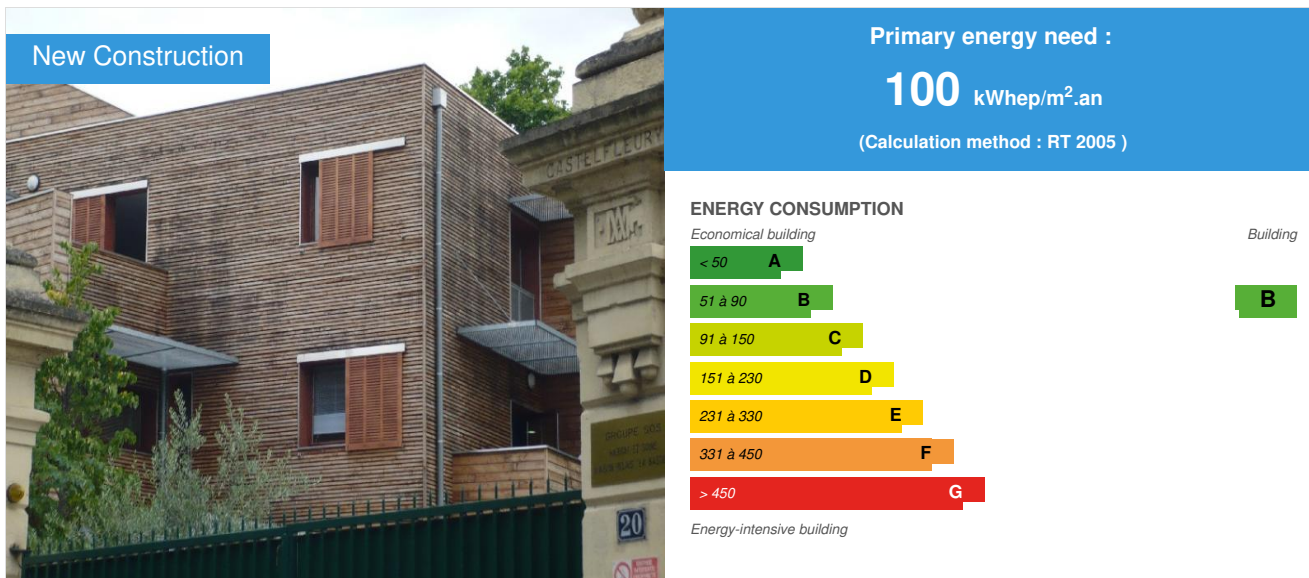


Centre hosting « Lits Halte Soins Santé »

by Nicolas Guignard / 2013-05-22 10:21:52 / France / 5554 / FR



Building Type : Nursing home or Retirement home
Construction Year : 2008
Delivery year :
Address 1 - street : 20 chemin du Petit Fontainieu 13014 MARSEILLE, France
Climate zone : [Csa] Interior Mediterranean - Mild with dry, hot summer.

Net Floor Area : 795 m² SHON
Construction/refurbishment cost : 1 750 000 €
Number of Bed : 40 Bed
Cost/m² : 2201.26 €/m²

General information

« Lits Halte Soins Santé » building, with a capacity of 40 beds, is intended to accommodate homeless people requiring temporary care. The aim of the project was to provide a comfortable and pleasant life to facilitate the adaptation of occupants and get an easy maintenance and energy efficient building. In addition, the duration of construction imposed is very short (10 months), the choice of building in wood was done. Consistent in terms of sustainable development, it meets the eco-design and THPE ENR RT 2005 (a gain of 39%).

Sustainable development approach of the project owner

The building owner wanted this project to be coherent in terms of sustainable development by its materials and the use of renewable energies. For financial reasons, the project had to be limited in time, a major factor in the program. The choice of wood was strongly advocated by the SOS group, keen on developing of buildings generating a minimal impact on the environment and low-cost maintenance.

Architectural description

The design of the building is bioclimatic to meet environmental criteria with optimum integration of the building in its urban context. The wood was an easy choice for it allows prefabrication in workshops and reduces the construction time through constructive system integrating the entire envelope (insulation complex, ...). The land and the available footprint induced architecture of this building by promoting East / West exposure. The first floor terraces allow visitors, users and inhabitants to enjoy the view. The surface of the rooftop (a terrace) is used for the location of technical facilities.

The four facades have different moldings related to their orientation: small openings for the windows of the rooms on the east and west facades, protected by movable wooden shutters; maximum openings on the south by glazed entrance doors with sun and breeze cusps for protection from the sun, and the north side is closed and therefore protected from the cold and prevailing winds, we find there the fire escape and access to technical facilities (boiler, solar panels) on the roof terrace.

See more details about this project

<http://www.enviroboite.net/etablissement-sanitaire-et-social-lits-halte-soin-sante-marseille-13>

Stakeholders

Stakeholders

Function : Construction Manager

Plans Séquences Architecture Philippe GHEZZI Architecte

3, rue Elie Giraud - 13200 Arles Tél : 04.90.96.44.95

Function : Other consultancy agency

BET Fluides + Mission QE : SOL.A.I.R - (D. Jacob)

47, Bd de la République - 13100 Aix-en-Provence Tél : 04.42.26.41.17

Function : Other consultancy agency

BET Bois : GAUJARD TECHNOLOGIES Scop (M. Gaujard - M. Plassard)

10, Avenue de la Croix Rouge - 84000 Avignon Tél : 04.90.86.16.96

Energy

Energy consumption

Primary energy need : 100,00 kWh_{ep}/m².an

Primary energy need for standard building : 150,00 kWh_{ep}/m².an

Calculation method : RT 2005

Envelope performance

Envelope U-Value : 0,39 W.m⁻².K⁻¹

Renewables & systems

Systems

Heating system :

- Condensing gas boiler
- Low temperature floor heating

Hot water system :

- Condensing gas boiler
- Solar Thermal

Cooling system :

- Water chiller
- Floor cooling

Ventilation system :

- Nocturnal Over ventilation
- compensated Air Handling Unit

Renewable systems :

- Solar Thermal

Urban environment

The project is located on a parcel with an old building, owned by the SOS Group, which didn't make any alterations. The gate is located at the South West corner of the land with an access road to the south. The building integrates into a urban context (Sainte Marthe neighbourhood) with tall trees. The space available for the project led to create a rectangular building mainly facing East /West.

Access by public transportation is a requirement. The site is served by the bus network including several stops are nearby.

