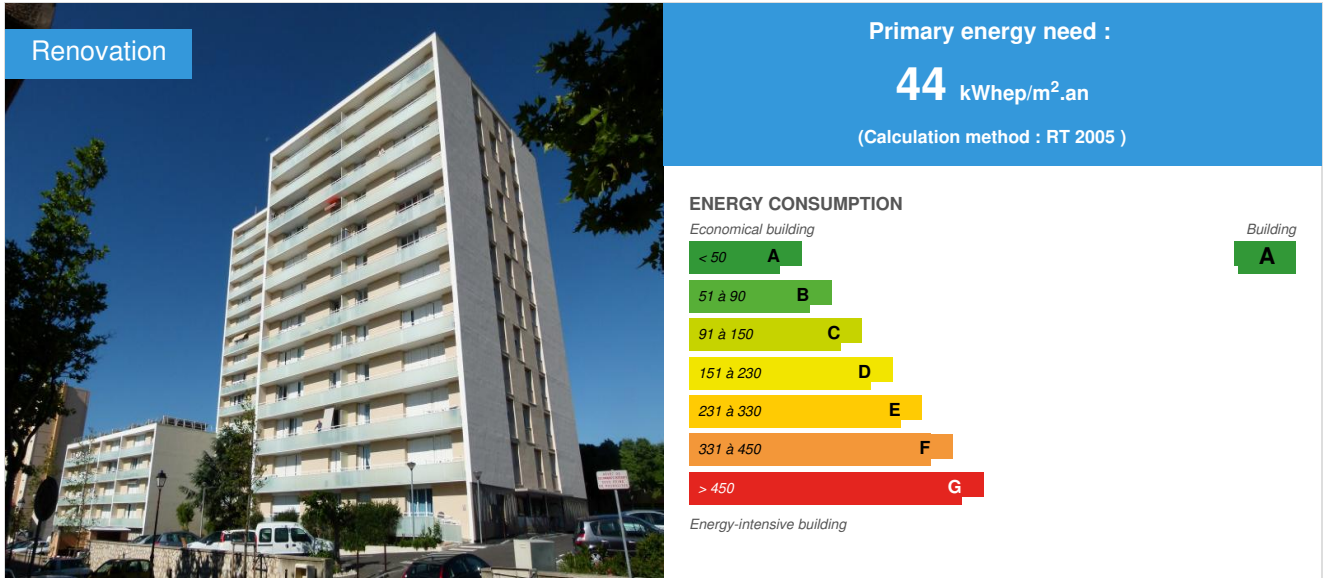


Residence Le Provence

by Nicolas Guignard / 2014-10-27 16:27:24 / France / 4635 / FR



Building Type : Collective housing > 50m
Construction Year : 2013
Delivery year : 2014
Address 1 - street : 13110 PORT DE BOUC, France
Climate zone : [Csa] Interior Mediterranean - Mild with dry, hot summer.

Net Floor Area : 9 482 m²
Construction/refurbishment cost : 2 792 445 €
Number of Dwelling : 122 Dwelling
Cost/m² : 294.5 €/m²

General information

Managed by LOGIREM, the residence Le Provence is a set of 122 apartments spread over 3 buildings, built in 1972. Because of its energy label D and its aging equipments, the rehabilitation of this housing complex was considered as a priority. Respecting its sustainable development policy, the social landlord wished to have a comprehensive approach to promote occupant comfort, reduce rental costs and control energy consumption.

The operations undertaken by the landlord are designed to achieve the minimum C + label. Through various financial aid is an ambitious project that was launched with the aim of reaching a primary energy consumption by 40 kWhep / m² / year, a level corresponding to the "factor 4" covered by ADEME.

Sustainable development approach of the project owner

Each residence managed by Logirem has a technical state record with an overall score. Because of its energy label D and its aging equipment, Le Provence was identified as a priority residence and a thermal audit was performed. Aiming first thermal objectives, the owner nevertheless wished to have a comprehensive approach. Various aids have helped make it an exemplary rehabilitation.

Architectural description

The architect wanted to provide a simple and modern response. To settle with the old concrete facade, the coatings colors were chosen in harmony with the tone of the neighborhood (wet sand).

Silkscreen printed and dune color resin panels, affixed on the length of facade, are providing a contemporary touch. On balconies, vertical guard rails were projecting a negative image. They were replaced by modern guard rails with opalescent glass, that promote privacy and allows light to penetrate.

See more details about this project

<http://www.enviroboite.net/habitat-residence-le-provence-port-de-bouc-13>

Stakeholders

Stakeholders

Function : Contractor

LOGIREM

Pôle Réhabilitation Acquisition Amélioration - 04.91.28.04.02 - dmo.raa[a]logirem.fr

<http://www.logirem.fr/>

Function : Construction Manager

CITTA – Strada Ingénierie

04.42.20.43.42 / marc.monier[a]citta.fr

<http://www.strada-ingenierie.fr/>

Function : Assistance to the Contracting Authority

BET SOLAR SEYNE

06.22.24.14.58 / arnaudsarzacq[a]solarseyne.com

Solar AMO

Function : Thermal consultancy agency

E2C

04.89.12.08.34 / mickael.terrom@acceo.eu

<http://www.acceo.eu/e2c.html>

Function : Company

GFC Construction

04.91.90.29.71

<http://www.gfc-construction.fr/>

General contractor

Contracting method

Macro packages

Type of market

Design and implementation

Energy

Energy consumption

Primary energy need : 44,00 kWh_{ep}/m².an

Primary energy need for standard building : 90,00 kWh_{ep}/m².an

Calculation method : RT 2005

Breakdown for energy consumption : - Heating: 12,6 kWh_{ep} / m².year - ECS: 22 kWh_{ep} / m².year - Auxiliary: 1.8 kWh_{ep} / m².year - Lighting: 6,4 kWh_{ep} / m².year - Ventilation: 1,2 kWh_{ep} / m².year

Initial consumption : 163,00 kWh_{ep}/m².an

Envelope performance

Envelope U-Value : 0,66 W.m⁻².K⁻¹

More information :

Walls: Veil of reinforced concrete with installation of an external thermal insulation, panels STO PS 15 SE (150 mm) on common surfaces / (100 mm) on the balcony funds, coated D3

Roof terrace: Concrete wall with polyurethane insulation Effigreen Duo (120 mm), recovery of tightness, protections and metal copings

Indicator : I4

Air Tightness Value : 1,70

Renewables & systems

Systems

Heating system :

- Gas boiler
- Condensing gas boiler
- Water radiator

Hot water system :

- Condensing gas boiler
- Solar Thermal

Cooling system :

- No cooling system

Ventilation system :

- humidity sensitive Air Handling Unit (hygro A)

Renewable systems :

- Solar Thermal

Renewable energy production : 18,00 %

Solar DHW with extra gas boiler. 2 storage tanks of 3000 L

Environment

Urban environment

The residence is located in close proximity to the city center and the port, in the heart of a dense urban area with predominantly residential neighborhood. Many services are easily accessible: shops, schools, places of worship, etc.

Products

Product

xxx

xxx

xxx

Costs

Construction and exploitation costs

Total cost of the building : 2 792 445 €



Date Export : 20230425211709