Hélène Boucher condominium in Sevran

9431

Last modified by the author on 22/02/2019 - 15:09

Building Type : Collective housing < 50m
Construction Year : 1973
Delivery year : 2018
Address 1 - street : 10 ALLEE HELENE BOUCHER 93270 SEVRAN, France
Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 1 700 m^2
Construction/refurbishment cost : 480 811 €
Number of Dwelling : 23 Dwelling
Cost/m2 : 282.83 €/m^2

General information

Energy renovation of a small joint ownership of 23 lots in Sevran (in Paris suburbs) as part of the "OPAH Quartier Rougemont". The works included the insulation of the roof terrace, the installation of a thermal insulation from the outside, the replacement of all the joinery, the installation of a humidity-sensitive ventilation, the insulation of the low floor and the setting up of the building's safety. The energy saving is 68%.

Sustainable development approach of the project owner

Rehabilitation and energy renovation of a 1970 condominium: 23 housing units under the OPAH of the Rougemont district with the operator OZONE.

Insulation from the outside, Insulation of the roof terrace, replacement of all windows, and upgrading common areas. ECIC thermic. EVAM syndic. Budget 480 € 811 ht.

This allowed to divide by almost 3 the energy consumption of the condominium from 178 to 64 kWeh/m²/year. It has reached certain levels of BBC renovation requirement (without being labeled) thanks to this performance.

Building users opinion

The occupants dropped the interior heating temperature by 3 ° C.

Stakeholders

Contractor

Name : SYNDIC EVAM 17/19 Rue Jean Charcot, 93600 Aulnay-sous-Bois
http://www.evam-gid.com

Construction Manager

Name : VERNA ARCHITECTES
Contact : VERONIQUE VERNA
https://www.verna-architectes.com/

Stakeholders

Function : Thermal consultancy agency
ECIC Ecic 2, av. du Régiment Normandie Niémen 91700 Sainte-Geneviève-des-Bois

FANNY PELLETANT

THERMAL DIAGNOSTICS

Function : Assistance to the Contracting Authority
OZONE 34 av. Raspail 94250 Gentilly

Benoit MAAS

ozone-conseils.fr

Contracting method

Separate batches

Type of market

Global performance contract

Energy

Energy consumption

Primary energy need : 64,00 kWhep/m^2.an
Primary energy need for standard building : 178,00 kWhep/m^2.an
Calculation method : RT existant
CEEB : 0.0002
Breakdown for energy consumption : 22% heating
30% ECS
9% lighting
2% auxiliary pumps
5% auxiliary fans
Initial consumption : 178,00 kWhep/m^2.an

Real final energy consumption

Final Energy : 57,00 kWhef/m^2.an

Envelope performance

Envelope U-Value : 0,62 W.m^{-2}.K^{-1}

Renewables & systems

Systems

Heating system :
- Urban network

Hot water system :
- Urban network

Cooling system :
- No cooling system

Ventilation system :
- Humidity sensitive Air Handling Unit (Hygro B

Renewable systems :
- No renewable energy systems

Environment

Urban environment

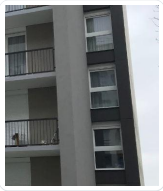
Residential environment, Rougemont district in Sevran.

Products

Product

JOINERY FLAME PROTECTION

LORILLARD



Product category : Table 'c21_china.innov_category' doesn't exist SELECT one.innov_category AS current,two.innov_category AS parentFROM innov_category AS oneINNER JOIN innov_category AS two ON one.parent_id = two.idWHERE one.state=1AND one.id = '10'
Replacement of the windows and guardrail doors with a carpentry with a fixed flame arrestor to respect the C + D

Clear glazing and increased standards

Costs

Construction and exploitation costs

Cost of studies : 6 403 €
Total cost of the building : 628 000 €
Subsidies : 521 900 €

Carbon

GHG emissions

GHG in use : 10,00 $KgCO_2/m^2/an$
Methodology used :
Existing RT

GHG emissions were 30 KgCO2 / m2

Contest

Reasons for participating in the competition(s)

Energy renovation of a small joint ownership of 23 lots in Sevran as part of the "OPAH Quartier Rougemont". The works included the insulation of the roof terrace, the installation of a thermal insulation from the outside, the replacement of all the joinery, the installation of a humidity-sensitive ventilation, the insulation of the low floor and the setting up of the building's safety. The energy saving is 68%.

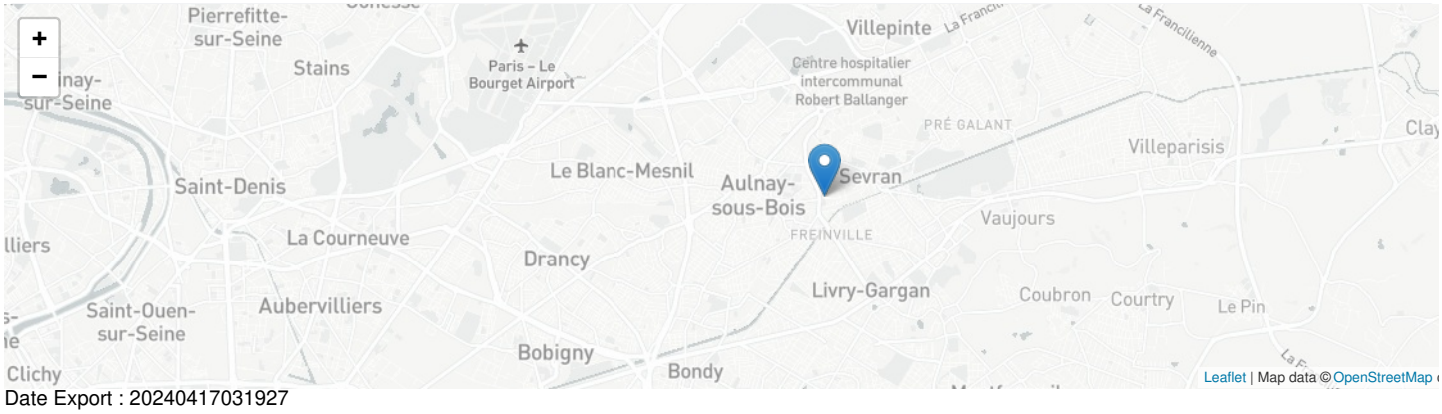
Building candidate in the category

Green Solutions AWARDS
powered by Construction21.org

Energie & Climats Tempérés

Prix du public

Prix des Etudiants



Date Export : 20240417031927