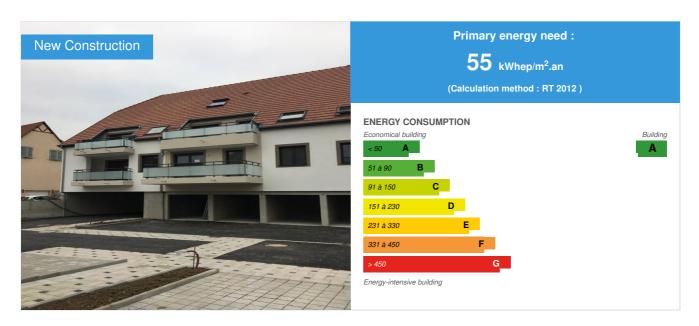


Villa Mona Lisa

by Groupe Qualitel / ○ 2019-01-10 12:40:07 / Francia / ⊚ 3506 / FR



Building Type: Collective housing < 50m

Construction Year : 2016 Delivery year : 2018

Address 1 - street: 7 rue de l'Eglise 67810 HOLTZHEIM, France Climate zone: [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area: 1 014 m²

Certifications :



General information

Quality of life

- Vegetation (> 50%) of the surroundings of the buildings
- Composting present on the operation
- Private outdoor spaces of at least 3m² (80%)
- Bike / stroller room accessible via 1 door only
- Taking into account noise related to the elevator and heating equipment
- Treatment of shock and noise noises in housing

Air quality

• optimized with materials labeled A +; EMICADE EC1 + or with a GUT European Ecolabel

Architectural concept

- Design of the kitchen offers 2 possibilities of development (open or closed)
- Motorized occultations (main rooms)
- Reduced risk of glare: bay arrangements
- Artificial lighting common and local areas optimized
- Child protection on windows and French windows

Environmental aspect

- Elevator with energy recovery
- Water meter equipped with remote reading system
- Coefficient of waterproofing of the plot <80%
- Taps with comfort class C3
- Performance level RT2012 -20%
- Energy-independent exterior common circulation lighting
- Economic performance
- Presence of renewable energies

Project management

- Realization of a study in global cost
- Realization of a provisional estimate of the expenses of operation of the building
- Energy supply studies

Heating energy

- Heated operation thanks to gas and electricity
- Thermal insulation
- Thermal insulation adapted by walls (mixed)

Ventilation

• Humidity controlled ventilation type B

Carpentry and occultation

• PVC joinery and wood + motorized shutter

Brands and labels: - NFH Habitat HQE Up 9 Stars

- Economic performance: 3 stars
- Quality of life: 3 stars
- Respect of the environment: 3 stars
- Level RT2012 -20% (CEP 45)
- Label E + C- (currently validated)

☑ RT 2012 -20 CEP 45

Photo credit

CERQUAL Qualitel Certification

Stakeholders

Contractor

Name : ANTEUM

I https://anteum.fr/

Construction Manager

Name : ANTEUM

thttps://anteum.fr/

Energy consumption

Primary energy need: 55,00 kWhep/m².an

Primary energy need for standard building : $75,40 \text{ kWhep/m}^2$.an

Calculation method: RT 2012

Renewables & systems

Systems

Heating system :

- Gas boiler
- Condensing gas boiler
- Electric radiator

Hot water system :

- Gas boiler
- Other hot water system

Ventilation system:

Humidity sensitive Air Handling Unit (Hygro B

Renewable systems:

No renewable energy systems

Costs

Health and comfort

Comfort

Acoustic comfort:

Shock noise attenuation -3 dB

Carbon

GHG emissions

GHG in use : 10 200,00 KgCO $_2$ /m 2 /an

Methodology used:

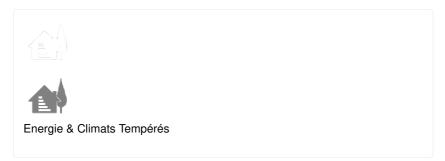
CEP x AREA x Co2 emission value

Contest

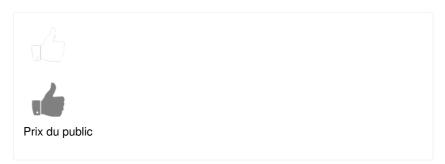
Reasons for participating in the competition(s)

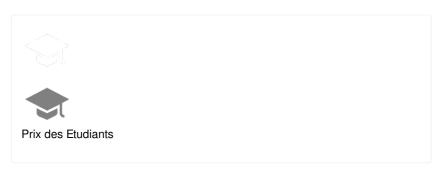
- Gain compared to the regulatory level
- Energy performance was sought with a gain on Bbio of 37% against 22% on average
- The same goes for the Cep of the operation with 55.2kWh / year / m², a gain of 27% against 18% usually on certified operations.
- The operation saves 20,500 kWh and 4 tons of CO2 equivalent per year
- The building meets the NF HABITAT HQE SUPERIOR standard

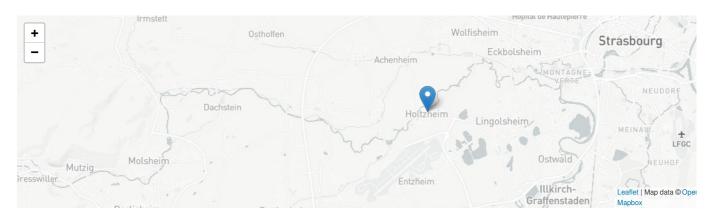
Building candidate in the category











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