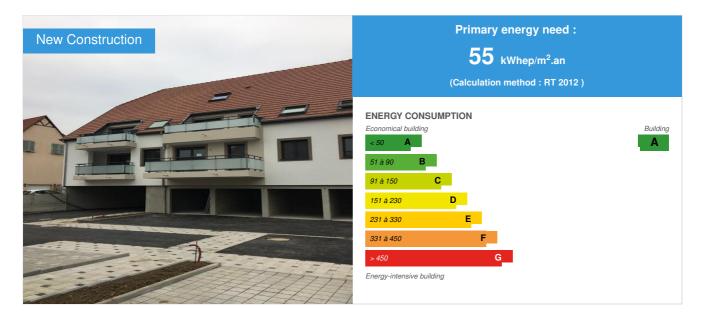
# Villa Mona Lisa

by Groupe Qualitel / 🕚 2019-01-10 12:40:07 / Francia / 💿 3762 / 🍽 FR



 Building Type : Collective housing < 50m</td>

 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 m<sup>2</sup> Number of Dwelling : 13 Dwelling

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 3m<sup>2</sup> (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

• 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)

#### CRT 2012 -20 CEP 45

## Photo credit

**CERQUAL** Qualitel Certification

#### Stakeholders

#### Contractor

Name : ANTEUM

#### **Construction Manager**

Name : ANTEUM

## **Energy consumption**

Primary energy need : 55,00 kWhep/m<sup>2</sup>.an Primary energy need for standard building : 75,40 kWhep/m<sup>2</sup>.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 comfor

## Comfort

Acoustic comfort : Shock noise attenuation -3 dB

## Carbon

## **GHG** emissions

GHG in use : 10 200,00 KgCO<sub>2</sub>/m<sup>2</sup>/an Methodology used : CEP x AREA x Co2 emission value

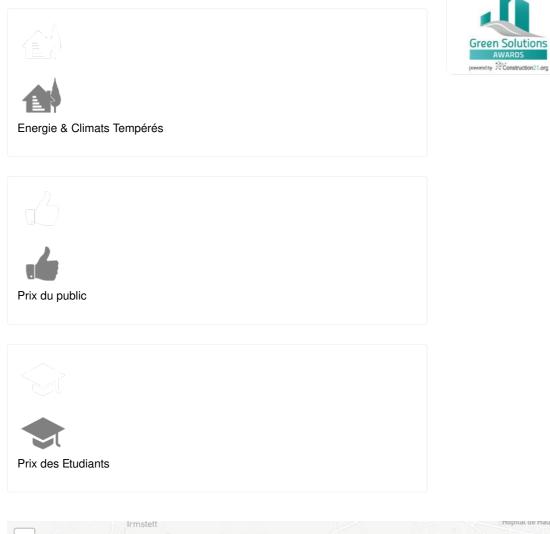
## Contest

# 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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