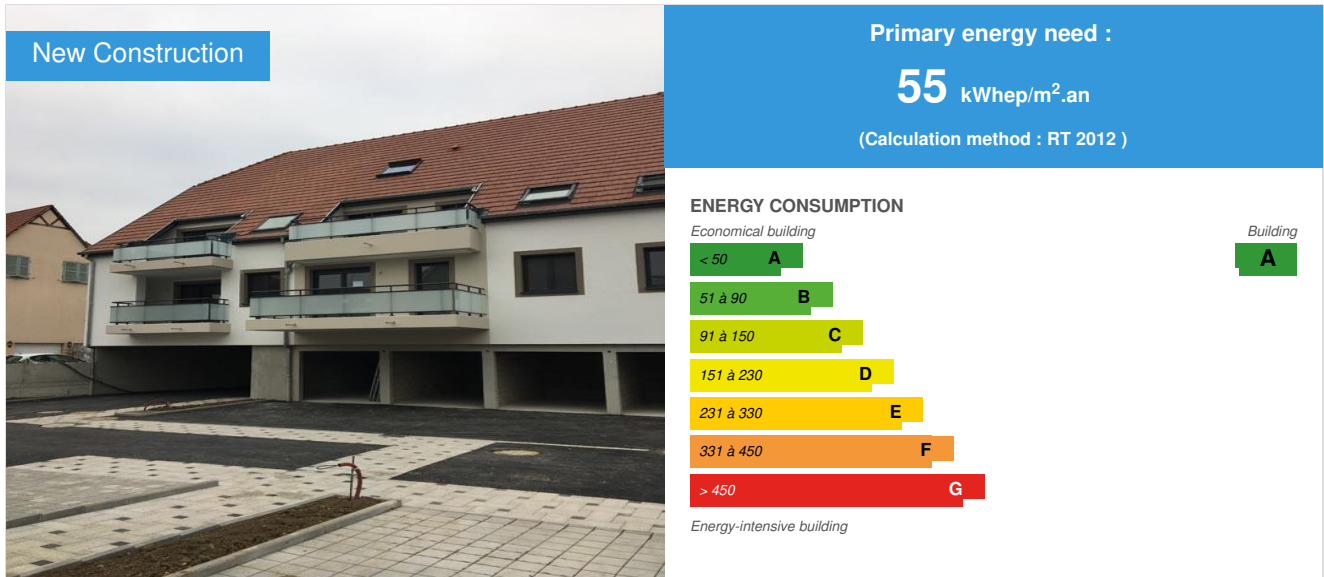


## Villa Mona Lisa

by Groupe Qualitel / 2019-01-10 12:40:07 / Frankreich / 3594 / 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

[🔗 https://anteum.fr/](https://anteum.fr/)

### Construction Manager

Name : ANTEUM

[🔗 https://anteum.fr/](https://anteum.fr/)

## Energy

## Energy

### 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 comfort

### 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 / m<sup>2</sup>, 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



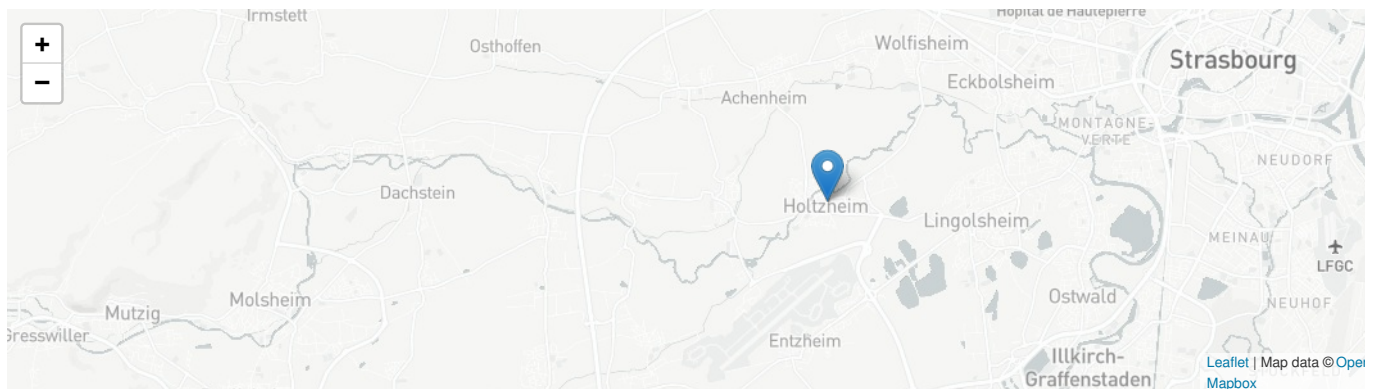
Energie & Climats Tempérés



Prix du public



Prix des Etudiants



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