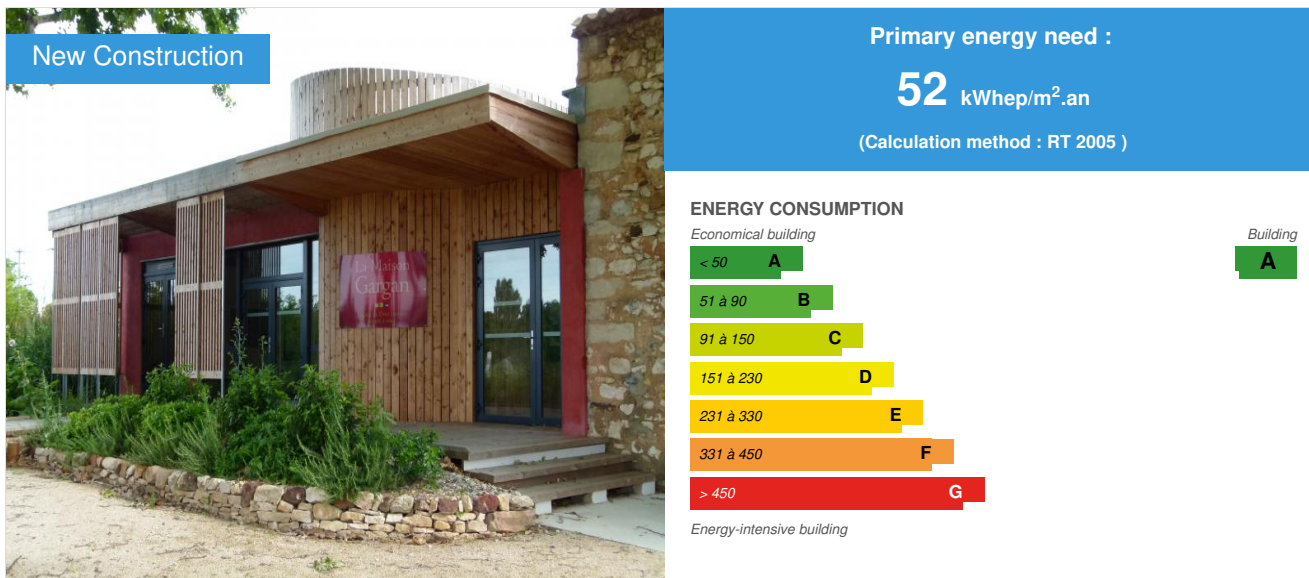


## House of Crafts

by Nicolas Guignard / 2012-06-18 16:53:36 / France / 9296 / FR



**Building Type** : Other building  
**Construction Year** : 2010  
**Delivery year** : 2010  
**Address 1 - street** : chemin des Fournigons 84400 GARGAS, France  
**Climate zone** : [Csa] Interior Mediterranean - Mild with dry, hot summer.

**Net Floor Area** : 96 m<sup>2</sup> SHON  
**Construction/refurbishment cost** : 135 720 €  
**Cost/m<sup>2</sup>** : 1413.75 €/m<sup>2</sup>

### General information

This building dedicated to a professional audience is an exemplary demonstration of an environmentally friendly and natural resources approach. Energy efficient (BBC level = Low consumption building) and reflecting a committed participation of different actors, it is indeed a "sustainable development" approach.

Located in Gargas in the Vaucluse, the House of Crafts combines local materials such as cedar wood, hemp and compressed earth brick, produced locally in Luberon. The roof adopts a complex of vegetation, the structure includes a wall-sensor and other noteworthy point: the removable sunshade provide summer shade and energize the building. This house, built in place of a former hangar of a jam factory, abandoned, cast a positive image of the district Fournigons and encourages housing in the area, thus promoting urban density.

### Sustainable development approach of the project owner

Initially, the city already had a very strong policy in terms of sustainable development. To avoid to lose the land, the city bought the Octave House, named after its former owner. This building is a former jam factory which was in operation when it contributes to economic development of the city. However, when the city got the site, it was a neglected wasteland.

The city aimed to develop in this building actions combining social and sustainable development. For his project, the association wanted to keep a time line: the structure of the administration building dating back 60 years has been preserved, the building is between the administrative and resource center, not yet restored, will range from one point of view of time between now and 60 years since the resource center is modern. The project is seeking demonstrative, of environmentally friendly materials and products locally were privileged.

## Architectural description

The building is inserted into the landscape by aligning with the existing (replacing a volume of shed) and it suits the traditional character of local architecture: rubble stone and plaster has hourdes lime, stone size (Menerbes career), mud brick compressed, a base color of ocher, etc.. By aligning with existing buildings, the orientation of the building could not be selected. However, attention has been granted since sunscreens have been installed. They can be moved and trees have been preserved for a shade of summer. In winter, the sun breezes can be removed and the trees have lost their leaves, so solar gain are optimized.

## See more details about this project

<http://www.enviroboite.net/equipement-culturel-maison-des-metiers-et-du-patrimoine-gargas-84>

## Energy

### Energy consumption

CEEB : 0.0004

Primary energy need : 52,00 kWhep/m<sup>2</sup>.an

Primary energy need for standard building : 110,00 kWhep/m<sup>2</sup>.an

Calculation method : RT 2005

## Renewables & systems

### Systems

Heating system :

- Others
- Fan coil

Hot water system :

- Individual electric boiler

Cooling system :

- No cooling system

Ventilation system :

- Natural ventilation
- Nocturnal Over ventilation

Renewable systems :

- Wood boiler

