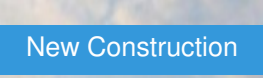



Creche Goult (84)

by Daniel FAURE / 2012-04-03 14:57:42 / France / 13228 / FR

Primary energy need :

123.8 kWhep/m².an

(Calculation method : RT 2005)

ENERGY CONSUMPTION

Consumption Range (kWhep/m ² .an)	Grade	Category
< 50	A	Economical building
51 à 90	B	
91 à 150	C	
151 à 230	D	Building
231 à 330	E	
331 à 450	F	
> 450	G	
Energy-intensive building		

Building **C**

Building Type : Preschool, kindergarten, nursery
Construction Year : 2010
Delivery year :
Address 1 - street : Multi Accueil, Chemin des Lièvres 84220 GOULT, France
Climate zone : [Csa] Interior Mediterranean - Mild with dry, hot summer.

Net Floor Area : 380 m².SHON
Construction/refurbishment cost : 886 037 €
Cost/m2 : 2331.68 €/m²

General information

Community of communes du Pont Julien wants to develop its policy in favor of youth and childhood. It therefore initiated discussions to determine the relevance of conducting a multi-host on its territory.

The construction of the crib Goult meets a real need by providing 20 nursery places on a time slot 11h. The study area is located in the Vaucluse, about 4 kilometers east of Gordes, on a former agricultural parcel grassy slopes slightly to the south.

The building at one level, includes: the crib, an open courtyard, outdoor spaces, roads and parking areas for staff and removal of children.

Sustainable development approach of the project owner

Accompanying the owner in his approach by BDM (Building Sustainable Mediterranean)

Architectural description

Joint deriving their roof slopes of steel trays on the North Slope and photovoltaic south. Floor roof terraces extending up the slopes of the DRC and sprockets. Attic feeders but not trafficable. Horizontal shading structure in the South.

See more details about this project

http://www.polebdm.eu/sites/default/files/mod-le_rex_t-n-creche-goult.pdf

Stakeholders

Stakeholders

Function : Contractor

Communauté de Communes Pont-Julien

<http://www.ccpontjulien.fr/>

Function : Construction Manager

Jean-Jacques BRIEU

Function : Thermal consultancy agency

ICOFLUIDES

Contracting method

Other methods

Energy

Energy consumption

Primary energy need : 123,80 kWhep/m².an

Primary energy need for standard building : 270,00 kWhep/m².an

Calculation method : RT 2005

Breakdown for energy consumption : - Heating: 42.76 kWhep /an (34.5%)- Cooling: 12.92 kWhep / .an (9.58%)- ECS: 10.19 kWhep / .an (12.14%)- Lighting: 30.53- Auxiliary: 27.36

Envelope performance

Indicator : I4

Renewables & systems

Systems

Heating system :

- Heat pump
- Low temperature floor heating
- Radiant ceiling

Hot water system :

- Solar Thermal

Cooling system :

- Floor cooling

Ventilation system :

- compensated Air Handling Unit
- Double flow heat exchanger

Renewable systems :

- Solar photovoltaic
- Solar Thermal

Renewable energy production : 25 144,00 %

Urban environment

The etude area is located in the department of Vaucluse, about 4 km IZest was not isolated, on a former agricultural parcel slight grassy slope to the south.



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