


Grand Santi Decentralized Prevention and Care Center

by Fabien Bermès / 2017-03-07 20:17:18 / France / 8852 / FR



Primary energy need :

108

 kWhep/m².an
(Calculation method : RTAA DOM 2012)

ENERGY CONSUMPTION

Economical building *Building*

< 50	A
51 à 90	B
91 à 150	C
151 à 230	D
231 à 330	E
331 à 450	F
> 450	G

Energy-intensive building

Building Type : Public or private hospital
Construction Year : 2017
Delivery year : 2017
Address 1 - street : 97340 GRAND SANTI, GUYANE FRANCAISE, France
Climate zone : [Af] Tropical Wet. No dry season.

Net Floor Area : 800 m²
Construction/refurbishment cost : 2 000 000 €
Number of Bed : 21 Bed
Cost/m² : 2500 €/m²

General information

Grand Santi is a municipality on the Maroni river, it is only served by public transport. River (canoes) and by regional plane (15 places).

Sustainable development approach of the project owner

The project was chosen following a competition. The Client wanted an energy-efficient building and improved the comfort of users and staff.

Architectural description

A single-storey building, composed of concrete volumes crowned by a large roof supported by a solid wood frame.

Stakeholders

Stakeholders

Function : Designer

Atelier Fabien Bermès

Fabien Bermès - 0694 45 13 13

Representative

Function : Contractor

Centre Hospitalier Andrée Rosemon de Cayenne

Patrice Beauvais

Function :

SETI Guyane

Thierry Torrente - 0694 20 99 59

Function : Other consultancy agency

A2E

Jean-Louis Hernandez - 0696 45 19 56

Contracting method

Macro packages

Type of market

Design and implementation

Energy

Energy consumption

Primary energy need : 108,00 kWh_{ep}/m².an

Calculation method : RTAA DOM 2012

Real final energy consumption

Final Energy : 60,00 kWh_{ef}/m².an

Renewables & systems

Systems

Heating system :

- No heating system

Hot water system :

- Solar Thermal

Cooling system :

- Water chiller
- Fan coil

Ventilation system :

- Natural ventilation
- compensated Air Handling Unit

Renewable systems :

- Solar Thermal

Environment

Urban environment

Land plot area : 3 386,00 m²

Built-up area : 900,00 %

Green space : 1 486,00

Building located in town center, close to shops and public services. The municipality is served only by the Maroni river and an air connection by plane of 15 places.

Products

Product

Ecope under roof

AFB / OGBTP

Fabien Bermès

<http://www.aquaa.fr>

Product category : Table 'c21_china.innov_category' doesn't exist SELECT one.innov_category AS current,two.innov_category AS parentFROM innov_category AS oneINNER JOIN innov_category AS two ON one.parent_id = two.idWHERE one.state=1AND one.id = '8'

Ecope of air in high slab, under roof ventilated and insulated, for evacuation of the hot air.

Well accepted by all



Costs

Construction and exploitation costs

Cost of studies : 265 000 €

Contest

