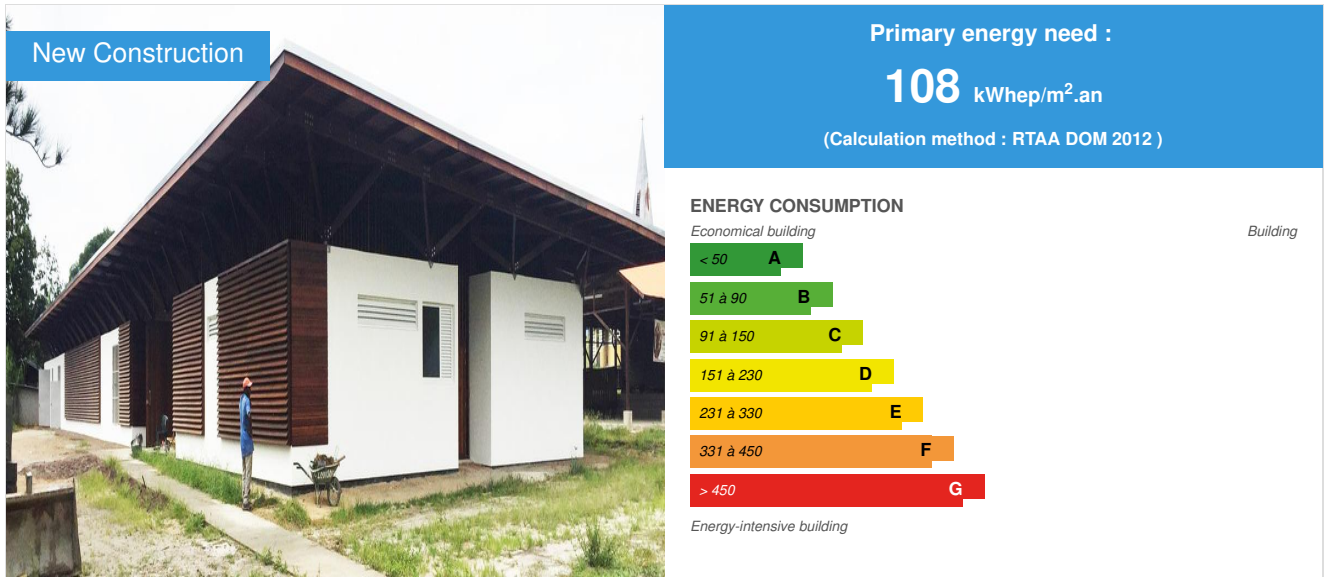


# Grand Santi Decentralized Prevention and Care Center

by [Fabien Bermès](#) / 2017-03-07 20:17:18 / France / 8905 / FR



**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 m<sup>2</sup>  
**Construction/refurbishment cost** : 2 000 000 €  
**Number of Bed** : 21 Bed  
**Cost/m<sup>2</sup>** : 2500 €/m<sup>2</sup>

## 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

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Function : Contractor

Centre Hospitalier Andrée Rosemon de Cayenne

Patrice Beauvais

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Function : Structures calculist

SETI Guyane

Thierry Torrente - 0694 20 99 59

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Function : Other consultancy agency

A2E

Jean-Louis Hernandez - 0696 45 19 56

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## Contracting method

Macro packages

## Type of market

Table 'c21\_belgium.rex\_market\_type' doesn't exist

## Energy

### Energy consumption

Primary energy need : 108,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Calculation method : RTAA DOM 2012

### Real final energy consumption

Final Energy : 60,00 kWh<sub>ef</sub>/m<sup>2</sup>.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 m<sup>2</sup>

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 : Gros œuvre / Système passif

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

