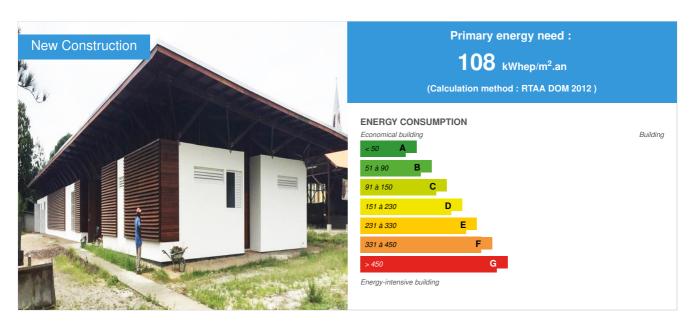


# **Grand Santi Decentralized Prevention and Care Center**

by Fabien Bermès / (1) 2017-03-07 20:17:18 / France / ⊚ 8852 / 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/m2 : 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

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 kWhep/m².an Calculation method: RTAA DOM 2012

# Real final energy consumption

Final Energy: 60,00 kWhef/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
- o compensated Air Handling Unit

# Renewable systems :

Solar Thermal

### 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

#### 

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





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