


## DAAF Guyana

by Fabien Bermès / 2017-03-07 19:59:08 / France / 7713 / FR

**Extension**



Primary energy need :

### 180 kWhep/m<sup>2</sup>.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** : Office building < 28m  
**Construction Year** : 2015  
**Delivery year** : 2015  
**Address 1 - street** : Jardin botanique 97300 CAYENNE, GUYANE FRANCAISE, France  
**Climate zone** : [Af] Tropical Wet. No dry season.

**Net Floor Area** : 2 500 m<sup>2</sup>  
**Construction/refurbishment cost** : 4 875 000 €  
**Number of Work station** : 90 Work station  
**Cost/m2** : 1950 €/m<sup>2</sup>

### General information

Extension of the offices of the Department of Agriculture, Food and Forest of Guyana

### Sustainable development approach of the project owner

The contractor has been selected by the Project Manager. The proposal of the project management team concerned the limitation of energy consumption and the use of ecomaterials (solid wood from Guyana).

### Architectural description

The building consists of a concrete RDC, and three wooden blocks, of two levels, laid on this concrete base. They are separated by planted patios. The façades receive horizontal wooden solar shading.

[See more details about this project](#)

### Stakeholders

Function : Designer

Atelier Fabien Bermès

Fabien Bermès - 0694 45 13 13

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Function : Designer

Gaïa architecture

Paul Tritsh - 0694 45 80 99

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Function : Designer

Cécile Loe-Mie

Cécile Loe-Mie

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Function :

SETI Guyane

Thierry Torrente - 0694 20 99 59

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Function : Other consultancy agency

A2E - BET Fluides

Jean-Louis Hernandez

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Function : Other consultancy agency

BEREST - BET VRD

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### Contracting method

Separate batches

### Type of market

Global performance contract

## Energy

### Energy consumption

Primary energy need : 180,00 kWh<sub>ep</sub>/m<sup>2</sup>.an

Calculation method : RTAA DOM 2012

### Real final energy consumption

Final Energy : 100,00 kWh<sub>ef</sub>/m<sup>2</sup>.an

## Renewables & systems

### Systems

Heating system :

- No heating system

Hot water system :

- Solar Thermal

Cooling system :

- Tape

- VRV Syst. (Variable refrigerant Volume)

#### Ventilation system :

- Single flow

#### Renewable systems :

- Solar Thermal

## Smart Building

#### BMS :

Temperature and operating time adjustment

## Environment

### Urban environment

Building located in town center, close to public transport (bus), public facilities and shops.

## Products

### Product

Wooden sunshade

CRI

Laï Van Cham - 0694 406556

<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 = '10'

Horizontal sunshade in solid wood from Guyana

Product well accepted



## Costs

### Construction and exploitation costs

Cost of studies : 604 000 €

## Contest

### Building candidate in the category





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