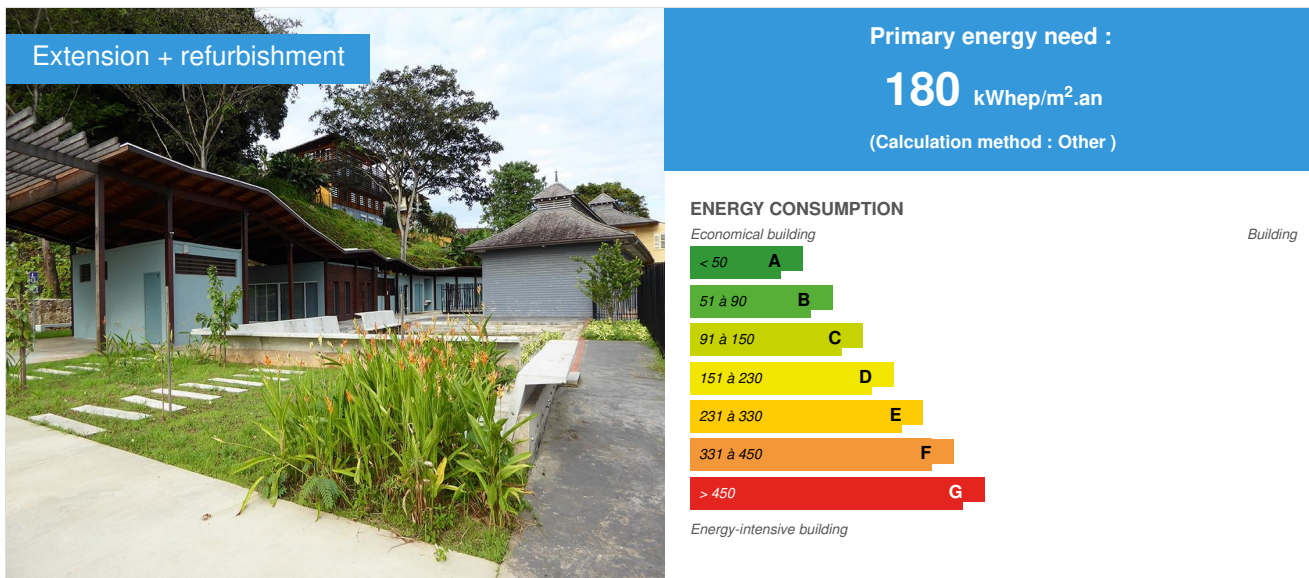


## DAC GUYANE

by Frédéric PUJOL / 2017-03-08 21:36:55 / Francia / 8511 / FR



**Building Type** : Office building < 28m  
**Construction Year** : 2013  
**Delivery year** : 2015  
**Address 1 - street** : 4rue du vieux port 97300 CAYENNE, GUYANE, France  
**Climate zone** : [Af] Tropical Wet. No dry season.

**Net Floor Area** : 989 m<sup>2</sup>  
**Construction/refurbishment cost** : 1 800 000 €  
**Number of Work station** : 28 Work station  
**Cost/m<sup>2</sup>** : 1820.02 €/m<sup>2</sup>

### General information

The offices of the Department of Cultural Affairs of Guyana were installed in the building of the old customs of Cayenne, a listed historical monument rehabilitated previously and are accompanied by a contemporary extension located at the foot of the hill of Cépéro.

### Sustainable development approach of the project owner

Request for QEA.

### Architectural description

The opportunity to reinvest a high-potential urban abandoned by a building with a cultural vocation is only valid if it is part of a larger scale reading of the city. From a spatial point of view, this is reflected in the obligation to ask oneself the question of the place of the equipment in the network of places invested by the population and connected by circles of proximity. Our proposal integrates a space with multiple vocation: parking during the week, parvis to host events on the weekend, eventually mixing punctual functions. The logic of setting up the spaces in the existing building meets several concerns. Make the best use of the existing openings, leaving the existing structure free to highlight it, both in plan and in volume. The design of the walls of these is studied in order to capture the maximum of the important natural light deposit in Guyana, a key element of a QEA approach.

## Stakeholders

### Stakeholders

Function : Contractor

PREFECTURE DE LA GUYANE

Function : Designer

ACAPA

<http://www.acapa-architecture.com>

### Contracting method

Separate batches

### Type of market

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

## Energy

### Energy consumption

Primary energy need : 180,00 kWhep/m<sup>2</sup>.an

Primary energy need for standard building : 300,00 kWhep/m<sup>2</sup>.an

Calculation method : Other

CEEB : 0.0001

Initial consumption : 180,00 kWhep/m<sup>2</sup>.an

### Envelope performance

Envelope U-Value : 0,80 W.m<sup>-2</sup>.K<sup>-1</sup>

More information :

Rehabilitated historic building: insulation under roof by 10cm of rock wool, insulation of the walls exposed by 6cm of polystyrene.

New building, insulation of the high slab by 10cm of polystyrene.

## Renewables & systems

### Systems

Heating system :

- No heating system

Hot water system :

- Solar Thermal

Cooling system :

- Roof-top
- VRV Syst. (Variable refrigerant Volume)

Ventilation system :

- Natural ventilation
- Single flow

Renewable systems :

- No renewable energy systems

## Environment

## Urban environment

Project located in downtown Cayenne, close to services (administrations, markets, etc ...)

### Products

#### Product

Wood of Guyana

CMO

cmo-construction@wanadoo.fr

<http://www.cmo.fr>

**Product category :** Table 'c21\_italy.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 = '7'

Guyana wood framing certified.

Very good.



### Costs

### Contest

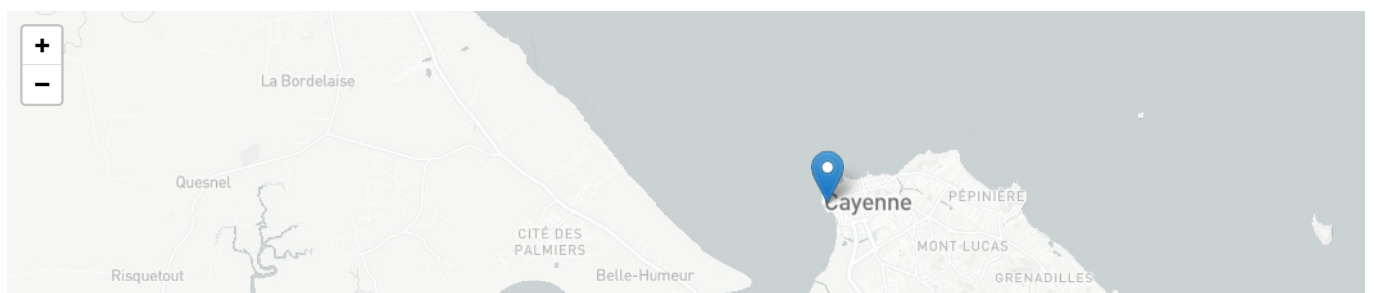
#### Building candidate in the category



Energie & Climats Chauds



Coup de Cœur des Internautes





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