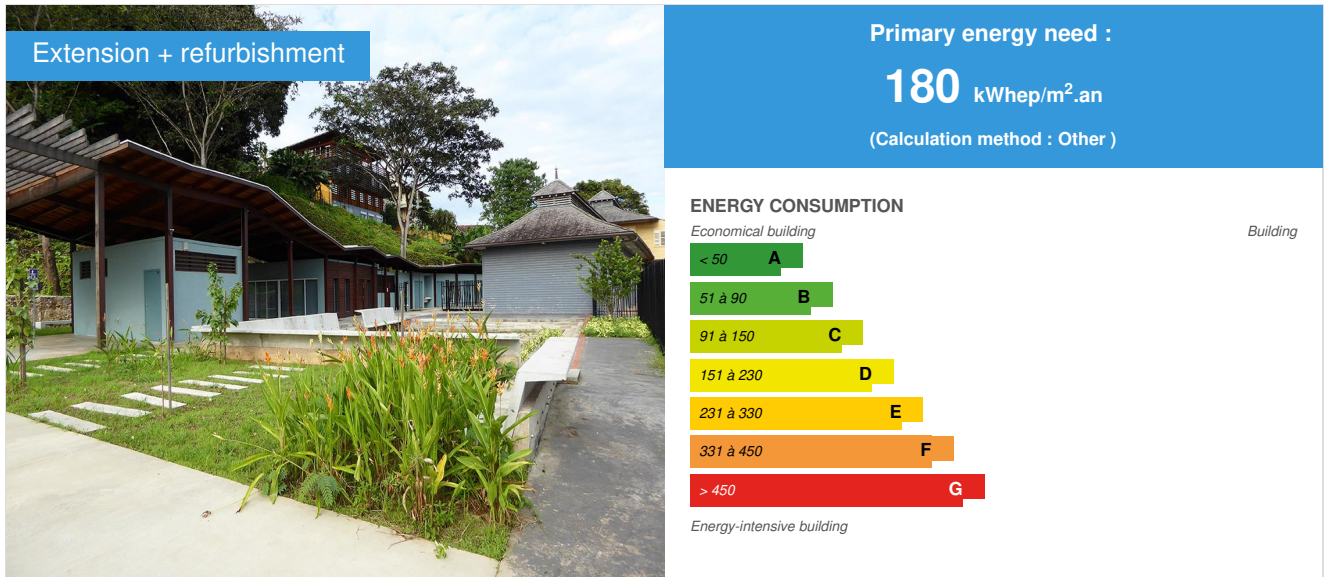


DAC GUYANE

by Frédéric PUJOL / 2017-03-08 21:36:55 / France / 8342 / 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 m²
Construction/refurbishment cost : 1 800 000 €
Number of Work station : 28 Work station
Cost/m2 : 1820.02 €/m²

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 Cépérou.

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

Global performance contract

Energy

Energy consumption

Primary energy need : 180,00 kWh/m².an

Primary energy need for standard building : 300,00 kWh/m².an

Calculation method : Other

CEEB : 0.0001

Initial consumption : 180,00 kWh/m².an

Envelope performance

Envelope U-Value : 0,80 W.m⁻².K⁻¹

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

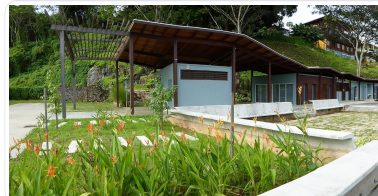
cmo-construction@wanadoo.fr

<http://www.cmo.fr>

Product category : Structural work / Carpentry, cover, tightness

Guyana wood framing certified.

Very good.



Costs

Contest

Reasons for participating in the competition(s)

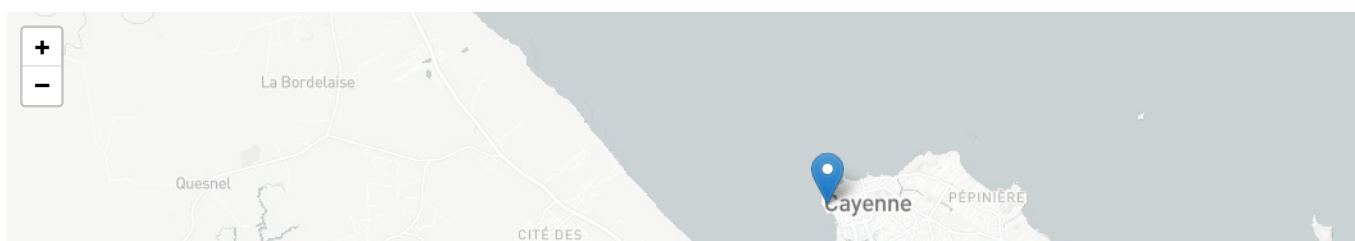
Building candidate in the category

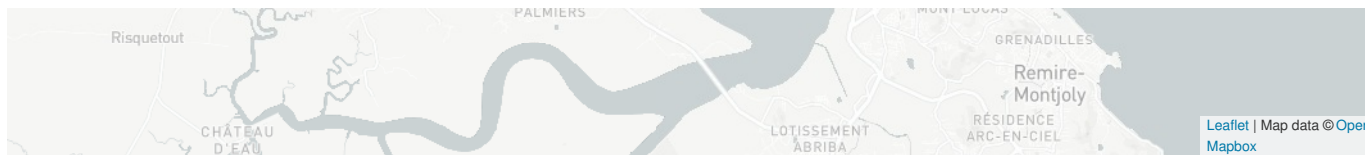


Energie & Climats Chauds



Coup de Cœur des Internautes





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