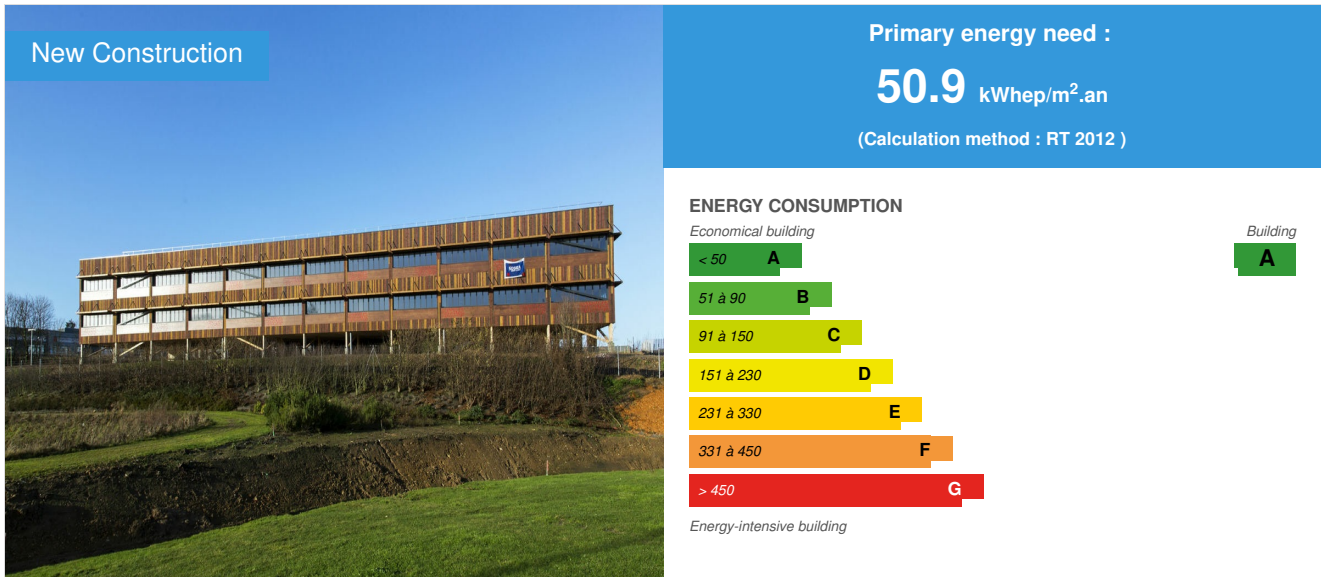


## Modular offices ZAC du Pressoir

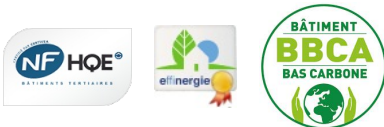
by Nathalie MEHU / 2017-05-19 10:14:09 / France / 10600 / FR



**Building Type** : Office building < 28m  
**Construction Year** : 2014  
**Delivery year** : 2015  
**Address 1 - street** : 76600 LE HAVRE, France  
**Climate zone** : [Cfb] Marine Mild Winter, warm summer, no dry season.

**Net Floor Area** : 2 661 m<sup>2</sup>  
**Construction/refurbishment cost** : 3 430 000 €  
**Number of Work station** : 240 Work station  
**Cost/m2** : 1288.99 €/m<sup>2</sup>

Certifications :



### General information

Design Realization of modular and removable offices in Le Havre for the urban agglomeration community - project of offices delivered in white. This design was carried out by SOGEA Nord Ouest subsidiary of Vinci Construction France.

### Sustainable development approach of the project owner

The objective of CODAH is to create innovative buildings in order to meet high standards of sustainable development on all its sites. Through the use of recyclable and biosourced materials, it aims to dispose of the first buildings labeled "biosourced buildings" of France. These are already certified "NF HQE™ Tertiary Building". Furthermore, these buildings, built quickly and adaptable to the uses of users, are a concept that could be revisited in the future. On this specific operation, the choice of the contracting authority was based on a design-construction procedure. Thus, from the first sketches and during the design of the project,

the exchanges made it possible to achieve the objectives of the program. The ambition of the project is to considerably reduce its environmental impact through an 80% recyclable building. As a result, the impact on the environment would be minimal when the buildings are moved or decommissioned. The overall environmental quality of the project is also reflected through the use of biosourced materials and the obtaining of the labels "NF HQE™ Tertiary Building" and "Biosourced Building".

## Architectural description

Design Construction of 7,200 m<sup>2</sup> of wooden offices divided into three buildings in two distinct sections. In order to offer green space around the building, the car park is created under the latter and raised by the use of piles. Vegetal valleys ensure the recovery of pre-filtered rainwater.

## See more details about this project

<http://www.certivea.fr/offres/label-batiment-biosource>

## Stakeholders

### Stakeholders

Function : Designer

Agence 6.24

6 Place Frédéric Sauvage - 76310 SAINTE ADRESSE ; [contact@ateliers6-24.fr](mailto:contact@ateliers6-24.fr)

<http://www.ateliers6-24.fr/pages/agence-architecture.php>

Function : Other consultancy agency

ECHOS

<http://www.beechos.com/>

Design office for eco-design of buildings

Function : Construction Manager

Vinci Construction

## Energy

### Energy consumption

Primary energy need : 50,90 kWhep/m<sup>2</sup>.an

Primary energy need for standard building : 77,00 kWhep/m<sup>2</sup>.an

Calculation method : RT 2012

## Renewables & systems

### Systems

Heating system :

- Electric radiator

Hot water system :

- Other hot water system

Cooling system :

- No cooling system

Ventilation system :

- Single flow

Renewable systems :

- Other, specify

## Environment

### Urban environment

The ZAC du Pressoir is located close to a shopping area, restaurants and transport.

## Products

### Product

CEMATERRE

CEMATERRE

4196 route des Entreprises - 76700 Gonfreville L'Orcher

<http://www.cematerre.com/>

Product category : Structural work / Structure - Masonry - Facade

The earth used for the construction of Cematerre is the one found on the sites, this limits the conveyance of a part of the materials. Next, flax fiber was chosen for its low water requirements and low CO2 production. It is produced in France, in Normandy. On a construction site, in order to limit the energy expenditure related to logistics, the load-bearing walls and Cematerre are produced on site, thanks to a mobile power station. The walls are then cast in formwork and the material is distributed through an innovative vibration process.



## Costs

## Carbon

### GHG emissions

GHG in use : 2,37 KgCO<sub>2</sub>/m<sup>2</sup>/an

Methodology used :

RT Calculation 2012

Building lifetime : 50,00 année(s)

GHG Cradle to Grave : 650,00 KgCO<sub>2</sub> /m<sup>2</sup>

Calculation BBKA Elodie

### Life Cycle Analysis

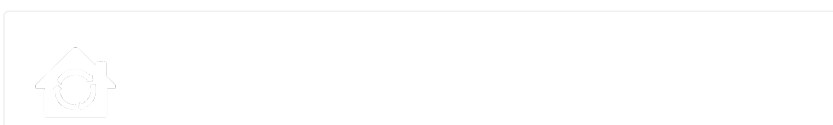
Eco-design material : The structure and envelope of the buildings are wooden framed.

## Contest

### Reasons for participating in the competition(s)

Ce bâtiment a été conçu en bois, comme s'il était en béton, avec une trame très simple, sobre et efficace. Avec un taux de 71 kg/m<sup>2</sup> d'incorporation de matériaux biosourcés, il dépasse largement les exigences minimales du label. A cela s'ajoute une partie démontable, un taux de recyclabilité à 80%, une certification HQE. Ce bâtiment est un des premiers bâtiment labélisé BBKA en 2016.

### Building candidate in the category





Bas Carbone



Coup de Cœur des Internautes

