


Le Boreon

by david LE SOUDER / 2017-06-15 23:45:58 / France / 9706 / FR



Philippe Gougeon
ARCHITECTE DPLP

Primary energy need :

50 kWhep/m².an

(Calculation method : RT 2012)

ENERGY CONSUMPTION

Consumption Range (kWh/m ² .an)	Grade	Category
< 50	A	Economical building
51 à 90	B	
91 à 150	C	Building
151 à 230	D	
231 à 330	E	
331 à 450	F	Energy-intensive building
> 450	G	

Building B

Building Type : Isolated or semi-detached house
Construction Year : 2014
Delivery year : 2015
Address 1 - street : 92330 SCEAUX, France
Climate zone : [Cfc] Marine Cool Winter & summer- Mild with no dry season.

Net Floor Area : 390 m²
Construction/refurbishment cost : 1 000 000 €
Number of Dwelling : 1 Dwelling
Cost/m² : 2564.1 €/m²

Certifications :



General information

Environmentally friendly communicating single-family home. Created in the heart of Sceaux, on the edge of the park, replacing an old building too far from current standards

Sustainable development approach of the project owner

Communicating individual house respectful of the environment by its innovative choices from an architectural point of view (wooden structure, vegetal roof ...) and technical (total control in local or remote)

Architectural description

Wooden structure with vegetalized roof

See more details about this project

<http://www.domopad.com/leboreon>

Stakeholders

Stakeholders

Function : Designer

cabinet philippe Giorgi

Philippe GIORGI

<http://philippegiorgi.fr>

Function : Other consultancy agency

DomoPad

Philippe ROUX

<http://www.domopad.com>

Connected Building

Contracting method

Separate batches

Type of market

Global performance contract

Energy

Energy consumption

Primary energy need : 50,00 kWhep/m².an

Primary energy need for standard building : 50,00 kWhep/m².an

Calculation method : RT 2012

More information

A total control of the energy consumption according to the occupancy of the building allows to optimize the consumption while ensuring an optimal comfort.

Renewables & systems

Systems

Heating system :

- Condensing gas boiler
- Low temperature floor heating

Hot water system :

- Heat pump

Cooling system :

- No cooling system

Ventilation system :

- Humidity sensitive Air Handling Unit (Hygro B)

Renewable systems :

- Heat pump

Smart Building

BMS :

Lighting, VMC, Heating, Audiovisual, Security - Provides total supervision and remote control of the doors (alarm, motorized door, shutters, door and window contact, locks) to allow or deny access - IP architecture

Environment

Urban environment

Close to the city center, on the edge of the Parc de Sceaux, subject to the approval of the buildings of France.

Products

Product

IPX800

GCE Electronics

TBD

<http://gce-electronics.com/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 = '27'

Central element of the management of the 300 inputs outputs for a complete control of the building. Safety and energy efficiency are optimum while ensuring an exceptional level of comfort.

TBD



905 Router

Helvar

TBD

<http://www.helvar.com>

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 = '27'

A central element in the management of dimmable lighting to illuminate according to needs and leave nothing on. Coupled with the exclusive use of LED lighting, the energy consumption of the lighting is optimized while ensuring an exceptional level of comfort.

TBD



Heating Control

Moehlenhoff

TDD

<http://www.moehlenhoff.de/>

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Central element to regulate 11 zones of underfloor heating. Actual setpoints and temperatures can be viewed and controlled locally or remotely, from wall shelves or thermostats. A graphical follow-up of the energy consumption and the temperatures makes it possible to detect over-consumption or situations of discomfort.

TBD



Costs

Construction and exploitation costs

Renewable energy systems cost : 90 000,00 €

Total cost of the building : 1 000 000 €

Contest

Building candidate in the category



Smart Building



Coup de Cœur des Internautes

