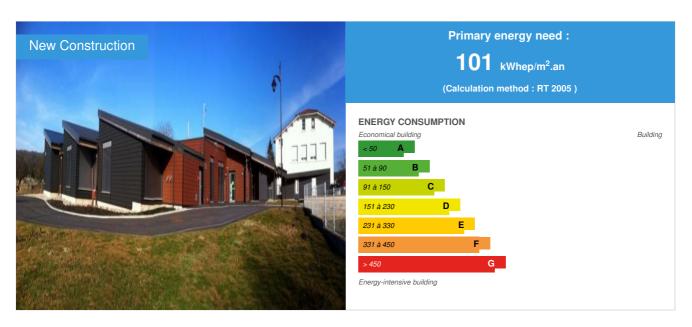


School in Hareville sous Montfort (88)

by Marie-Laure Aubriot / ○ 2014-06-17 00:00:00 / France / ⊚ 5506 / FR



Building Type: School, college, university

Construction Year : 2011 Delivery year : 2011

Address 1 - street : Impasse de la mairie 88800 HARéVILLE, France Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area: 1 047 m² SHON

Construction/refurbishment cost : 1 886 715 €

Cost/m2: 1802.02 €/m²

Proposed by :



General information

- Level BBC (winner PREBAT 2009)
- Self-declaration of HQE

The construction of a school in the town of Haréville combines several functions:

- a school (2 kindergarten and 3 elementary classes)
- a canteen
- a nursery
- a school care club.

The one-storey building is fully designed in wood-frame, wall and roof and rests on a masonry platform. The general volumetry describes four parallel band south-facing and covered by a one-slop roof which could to accomodate photovoltaic panels. They are separated by spaces housing the circulation (people and flow distribution) covered by a green roof. The building is in harmony with the immediate surrounding and the existing schoolyard that will be reused.

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Acoustic comfort

- Ceilings encasing the sound
- Partition wall with mineral wool between every classroom

Visual comfort

- External blinds with adjustable slats
- Classrooms with view on the outside
- Natural lighting in all spaces

Lighting: energy-saving lamps

Architectural description

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Orientation South-North

See more details about this project

☑ http://www.lqe.fr/home/upload/fiches/FicheGroupeScolaireHareville..pdf

Stakeholders

Stakeholders

Function: Contractor

Mairie d'Haréville sous Montfort (88)

Function: Structures calculist

Act'Bois

Function: Others

Veritas

http://www.bureauveritas.fr/wps/wcm/connect/bv_fr/local

Function: Company

Ecologgia

http://www.ecologgia.fr/

Function: Company

Maire

Function: Company

SNEE

http://www.snee-cloture.com/

Function: Company

Function: Designer SCPA Siettel Votano

☑ http://www.darchitectures.com/voir-siettel-votano-scpa-parmi-les-prescripteurs,p17957.html

Function: Other consultancy agency

Energico

Function: Company

Bonini

Type of market

Global performance contract

Energy

Energy consumption

Primary energy need: 101,00 kWhep/m².an

Primary energy need for standard building : 309,00 kWhep/m².an

Calculation method: RT 2005

CEEB: 0.0001

Envelope performance

More information :

Insulation:

- Ceiling: 320mm cellulose wadding, 100mm mineral wool / walls: 60 mm high density wood fiber, mineral fiber 160mm and 100mm / Floor: 100mm polyurethane
- Facade: North, West: rain-proof metal cladding / South: terracotta cladding / East: larch cladding / interior wood cladding from the communal forest

Insulation: outdoor / indoor / distributed

- Glazing: triple

Renewables & systems

Systems

Heating system:

Wood boiler

Hot water system:

Solar Thermal

Cooling system:

No cooling system

Ventilation system :

Double flow heat exchanger

Renewable systems :

- Solar Thermal
- Wood boiler

Environment

Urban environment

Land plot area: 1 047,00 m²

- Located in the heart of the village
- Building of an access road towards the end of the village (planned subdivision)

Costs

Construction and exploitation costs

Cost of studies : 179 271 €

Total cost of the building: 1 886 715 €

Subsidies : 1 098 124 €

Health and comfort

Water management

Water management

- Green roof (between the sheds)
- Selfclosing taps, dual flush toilet

Indoor Air quality

- Natural Materials, water paint
- VOC-free furniture

Carbon

Life Cycle Analysis

Eco-design material: Cellulose wadding; mineral wool; wood fiber; mineral fiber; wood; terracotta



Date Export : 20230318014957