


Vestiaire des Papillons

by philippe-henri bertin / 2015-06-09 11:34:50 / Belgique / 10170 / FR

New Construction



Primary energy need :
86 kWhep/m².an
(Calculation method : Other)

ENERGY CONSUMPTION

Economical building

< 50	A	Building	A
51 à 90	B		
91 à 150	C		
151 à 230	D		
231 à 330	E		
331 à 450	F		
> 450	G		

Energy-intensive building

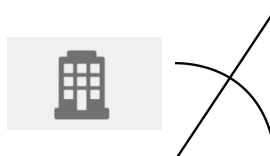
Building Type : Nursing home or Retirement home
Construction Year : 2014
Delivery year : 2014
Address 1 - street : 1420 BRAINE L'ALLEUD, Belgique
Climate zone : [Cfc] Marine Cool Winter & summer- Mild with no dry season.

Net Floor Area : 592 m² SHON
Construction/refurbishment cost : 1 350 000 €
Number of Bed : 12 Bed
Cost/m² : 2280.41 €/m²

Certifications :



Proposed by :



General information

See more details about this project

http://www.eternit-photos.be/realisaties_dak/Alterna/BraineAlleud1114_Alterna/

Data reliability

3rd part certified

Stakeholders

Function : Contractor

Chrysalis a.s.b.l.

Edith Allaert , iarbresoleil@hotmail.com

Function : Designer

Archipel Atelier d'Architecture

Philippe Henri Bertin

<http://www.archipel-architecture.be>

Function : Thermal consultancy agency

Responsible Young Architects sciv sprl

Benoit Vanden Breede

<http://www.rya.be>

Contracting method

General Contractor

Energy

Energy consumption

Primary energy need : 86,00 kWhep/m².an

Primary energy need for standard building : 165,00 kWhep/m².an

Calculation method : Other

CEEB : 0.0001

Final Energy : 80,30 kWhep/m².an

Envelope performance

Envelope U-Value : 0,17 W.m⁻².K⁻¹

Building Compactness Coefficient : 1,76

Indicator : EN 13829 - n50 » (en 1/h-1)

Air Tightness Value : 0,25

Renewables & systems

Systems

Heating system :

- Geothermal heat pump
- Low temperature floor heating
- Canadian well

Hot water system :

- Heat pump
- Solar Thermal

Cooling system :

- Radiant ceiling
- Canadian well

Ventilation system :

- Nocturnal ventilation

- Free-cooling
- Double flow

Renewable systems :

- Solar photovoltaic
- Solar Thermal
- Heat Pump on geothermal probes

Renewable energy production : 76,00 %

Environment

Urban environment

Land plot area : 9 130,00 m²

Built-up area : 330,00 %

Green space : 5 350,00

Products

Product

Buderus

Saverio Giordano sg@buderus.be

<http://www.buderus.be>

Product category : Génie climatique, électricité / Chauffage, eau chaude

AGC

bhadresh.parbhoo@eu.agc.com

<http://www.agc-glass.eu/>

Product category : Second œuvre / Menuiseries extérieures



Costs

Construction and exploitation costs

Renewable energy systems cost : 90 000,00 €

Cost of studies : 40 000 €

Total cost of the building : 1 350 000 €

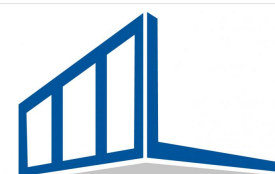
Subsidies : 18 000 €

Contest

Building candidate in the category



Energies renouvelables



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Bâtiment zéro énergie



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