


POST Luxembourg - Roost Logistics Center

by [Mélanie De Lima](#) / 2019-07-15 00:00:00 / Luxembourg / 21402 / FR

New Construction



Primary energy need : **76** kWh_{ep}/m².an
(Calculation method : RGD du 31 août 2010 - bâtiment fonctionnel)

ENERGY CONSUMPTION

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

Building **A**

Building Type : High office tower > 28m
Construction Year : 2017
Delivery year : 2019
Address 1 - street : Zone industrielle Klengbousbiërg 7795 ROOST-BISSEN, Luxembourg
Climate zone : [Cfb] Marine Mild Winter, warm summer, no dry season.

Net Floor Area : 2 400 m² Autre type de surface nette
Construction/refurbishment cost : 5 900 000 €
Number of Work station : 170 Work station
Cost/m2 : 2458.33 €/m²

General information

The overall project involves the construction of a logistics center for the activities of Post Group Luxembourg's Service Technologies.

The scope of the project extends to the construction of an administrative building with logistics hall, covered parking and various storage areas, traffic and outdoor facilities.

See more details about this project

<http://www.jonas.lu/fr/Portfolio/Centre-Logistique-Post-Technologies-Roost>

Data reliability

Assessor

Photo credit

@dengler.lu

Contractor

Name : Post Group Luxembourg
Contact : contact.group@post.lu
<https://www.postgroup.lu>

Construction Manager

Name : Rinnen Constructions Générales
Contact : info@rinnen.lu
<https://www.rinnen.lu>

Stakeholders

Function : Designer
JONAS Architectes Associés

info@jonas.lu

<https://www.jonasarchitectes.lu>

Project author

Function : Thermal consultancy agency

Betic SA Ingénieurs Conseils

mail@betic.lu

<https://www.betic.lu/>

CPE file

Architectural description

The global project provides for the construction of a Logistics Center for the activities of the Technologies Department of the Post Group Luxembourg. The scope of the project covers the construction of an administrative building with logistics hall, covered parking and various storage areas, traffic and outdoor facilities.

Approximate key data:

- Administrative building: gross volume: +/- 10,300 m³ (including the basement); floor space: +/- 1,550 m² including +/- 1,190 m² office space and conferences; floor area: +/- 540 m²; height: about 15.00m;
- Parking places for direction and visitors in the area: about 17 locations;
- Meeting spaces, outdoor terraces and greenery
- Hall Logistics: gross volume: +/- 70.000 m³; useful area: +/- 8.250 m²; floor area: +/- 6,200 m²; height: 10.00m
- Covered parking: about 100 locations including 8-10 locations with electric charging stations
- Airlibre storage and recycling area: approximately 1.680 m²

If you had to do it again?

Certainly

Energy

Energy consumption

Primary energy need : 76,00 kWh/m².an

Primary energy need for standard building : 222,00 kWh/m².an

Calculation method : RGD du 31 août 2010 - bâtiment fonctionnel

Final Energy : 74,00 kWh/m².an

Envelope performance

Envelope U-Value : 0,38 W.m⁻².K⁻¹

Building Compactness Coefficient : 0,35

Renewables & systems

Systems

Heating system :

- Urban network

Hot water system :

- Individual electric boiler
- Urban network

Cooling system :

- Water chiller
- Radiant ceiling
- Chilled Beam

Ventilation system :

- Double flow heat exchanger

Renewable systems :

- Other, specify

Environment

GHG emissions

GHG in use : 18,60 KgCO₂/m²/an

Water management

Consumption of harvested rainwater : 150,00 m³

Products

Product

Schüco FW50 +

Schüco

<https://www.schueco.com>

Product category : Second œuvre / Menuiseries extérieures

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Costs

Building Environmental Quality

- acoustics
- comfort (visual, olfactive, thermal)
- energy efficiency

Contest

Building candidate in the category



Energie & Climats Tempérés



Prix du public



Prix des Etudiants

