


# POST Luxembourg - Roost Logistics Center

by [Mélanie De Lima](#) / 2019-07-15 00:00:00 / Luxembourg / 20895 / FR

**New Construction**



**Primary energy need :**

76 kWh<sub>ep</sub>/m<sup>2</sup>.an

(Calculation method : RGD du 31 août 2010 - bâtiment fonctionnel )

**ENERGY CONSUMPTION**

<i>Economical building</i>	<i>Building</i>
< 50 <b>A</b>	<b>A</b>
51 à 90 <b>B</b>	
91 à 150 <b>C</b>	
151 à 230 <b>D</b>	
231 à 330 <b>E</b>	
331 à 450 <b>F</b>	
> 450 <b>G</b>	
<i>Energy-intensive building</i>	

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

**Net Floor Area** : 2 400 m<sup>2</sup>  
**Construction/refurbishment cost** : 5 900 000 €  
**Cost/m2** : 2458.33 €/m<sup>2</sup>

## 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](mailto:contact.group@post.lu)

<https://www.postgroup.lu>

### Construction Manager

Name : Rinnen Constructions Générales

Contact : [info@rinnen.lu](mailto:info@rinnen.lu)

<https://www.rinnen.lu>

### Stakeholders

Function : Designer

JONAS Architectes Associés

[info@jonas.lu](mailto:info@jonas.lu)

<https://www.jonasarchitectes.lu>

Project author

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Function : Thermal consultancy agency

Betic SA Ingénieurs Conseils

[mail@betic.lu](mailto: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 m<sup>3</sup> (including the basement); floor space: +/- 1,550 m<sup>2</sup> including +/- 1,190 m<sup>2</sup> office space and conferences; floor area: +/- 540 m<sup>2</sup>; height: about 15.00m;
- Parking places for direction and visitors in the area: about 17 locations;
- Meeting spaces, outdoor terraces and greenery
- HallLogistics: gross volume: +/- 70.000 m<sup>3</sup>; useful area: +/- 8.250 m<sup>2</sup>; floor area: +/- 6,200 m<sup>2</sup>; height: 10.00m
- Covered parking: about 100 locations including 8-10 locations with electric charging stations
- Airlibre storage and recycling area: approximately 1.680 m<sup>2</sup>

### If you had to do it again?

Certainly

## Energy

### Energy consumption

Primary energy need : 76,00 kWh/m<sup>2</sup>.an

Primary energy need for standard building : 222,00 kWh/m<sup>2</sup>.an

Calculation method : RGD du 31 août 2010 - bâtiment fonctionnel

Final Energy : 74,00 kWh/m<sup>2</sup>.an

### Envelope performance

Envelope U-Value : 0,38 W.m<sup>-2</sup>.K<sup>-1</sup>

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 KgCO<sub>2</sub>/m<sup>2</sup>/an

### Water management

Consumption of harvested rainwater : 150,00 m<sup>3</sup>

## Products

### Product

Schüco FW50 +

Schüco

<https://www.schueco.com>

Product category : Table 'c21\_spain.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 = '10'

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## Costs

## Building Environmental Quality

### 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

