Head Office Attijariwafa Bank

by Attijariwafa Bank AWB / 2017-06-06 16:46:16 / Maroc / 8171 / FR

Primary energy need :

283 kWhep/m².an

(Calculation method : RTCM)

ENERGY CONSUMPTION

Economical building *Building*

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

Energy-intensive building

Building Type : Office building < 28m
Construction Year : 2016
Delivery year : 2017
Address 1 - street : 163, Avenue Mohamed VI SOUISSI RABAT. 10170 RABAT, Maroc
Climate zone : [Csa] Interior Mediterranean - Mild with dry, hot summer.

Net Floor Area : 2 550 m² SHON (fr)

Certifications :

General information

The project is the design of the new headquarters of ATTIJARI WAFA BANK, it is a building for office use which consists of a Ground floor (RDC) with a floor and a basement. The ground floor and the staircase consist of offices and meeting rooms, and the basement is a parking lot linked to the building.

The building has four façades, two of which are terraced with villas and one with a restaurant and the fourth overlooks Avenue Mohamed VI

Data reliability

3rd part certified

Stakeholders

Stakeholders

Function : Contractor

Groupe Attijariwafa Bank

06 69 82 52 86

Head of Development & Project Management LAG

Contracting method

Other methods

Energy

Energy consumption

Primary energy need : 283,00 kWhep/m^2.an

Primary energy need for standard building : 433,00 kWhep/m^2.an

Calculation method : RTCM

Final Energy : 113,00 kWhef/m^2.an

Breakdown for energy consumption :
Heating: 47711.40 Kwh / year cooling: 66671.11 Kwh / year Lighting: 123487.61 Kwh / year Ventilation: 18826.28 Kwh / year Equipment: 158981.57 Kwh / year

Envelope performance

Envelope U-Value : 0,93 $W.m^{-2}.K^{-1}$

More information :
External wall composition: • Mortar (dry weight 1300): 1.5 cm • Red brick 6 holes: 7 cm • Unvented air blade: 13 cm • Red brick 6 holes: 7 cm • Mortar (Density 1300) : 1.5 cm

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

Air Tightness Value : 1,00

Real final energy consumption

Real final energy consumption/m2 : 113,00 kWhef/m^2.an

Renewables & systems

Systems

Heating system :

- VAV System

Hot water system :

- No domestic hot water system

Cooling system :

- VRV Syst. (Variable refrigerant Volume)

Ventilation system :

- Double flow

Renewable systems :

- No renewable energy systems

RENEWABLE ENERGY Not included in project

Smart Building

BMS :

Presence detectors, Security lighting, Lifts,

Environment

GHG emissions

Methodology used :

Dynamic thermal simulation

GHG before use : 107,00 $KgCO_2$ /m^2

Building lifetime : 50,00 an(s)

Dynamic thermal simulation, HQE repository

Water management

Consumption from water network : 1 061,00 m^3

Water Consumption/m2 : 0.42

The building is powered by the ONEEP network calculation method: target tool 5

Indoor Air quality

Air quality at the project site is good: The project is far from the industrial environment, fuel-based energy production, and fleets, especially for buses and taxis.

Comfort

Health & comfort : All the requirements of comfort (hygrothermal, visual, olfactory, acoustic)

and health (air, water and space quality)

Calculated thermal comfort : Été : 24°c , Hiver: 22°c

Acoustic comfort : The project is far from the sources of noise nuisance

Products

Product

Marble type BOTTICINO

Product category : Finishing work / paints, mural, wallcoverings

CARREAUX DE GRES CERAME MARAZZI BLOCK GREIGE RETT THE 60 X 60CM CODE GR2

Product category : Finishing work / flooring

Costs

Urban environment

Public transport: The site is served by 3 bus lines, Grands and Petits Taxis Espace Verts: The Borough SOUISSI has several green areas

Land plot area

Land plot area : 3 834,00 m^2

Built-up area

Built-up area : 2 250,00 %

Green space

Green space : 58,00

Parking spaces

The Parking located in the basement,

Building Environnemental Quality

Building Environmental Quality

- Building flexibility
- indoor air quality and health
- comfort (visual, olfactive, thermal)
- mobility
- products and materials

Contest

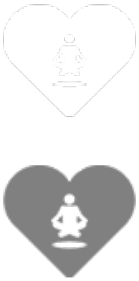
Reasons for participating in the competition(s)

le Bâtiment certifié HQE TRES BON phase conception;le projet est en Cohérence avec la politique locale d'aménagement, de développement durable du territoire et inscrit dans une optique de requalification urbaine;inscrit dans label RSE; les conforts hygrothermique, visuel,

olfactif et acoustique sont assurés les émissions de carbone et la quantité des déchets produite sont faibles

Building candidate in the category

Bas Carbone



Santé & Confort

Coup de Cœur des Internautes