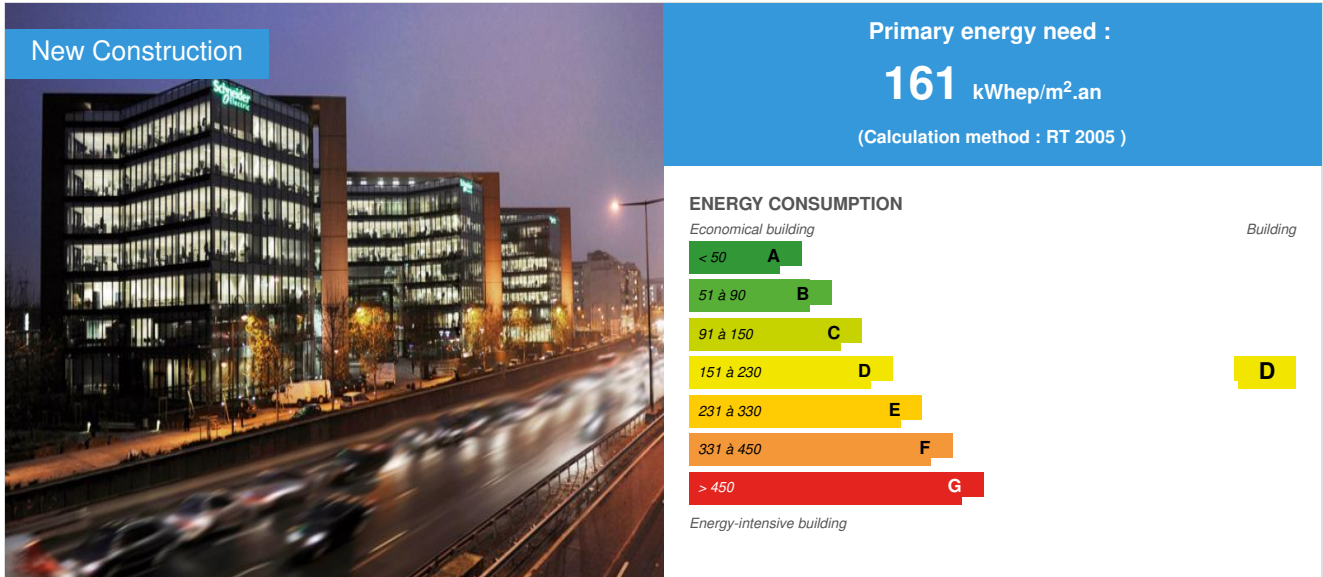


The Hive (Hall of Innovation and Showcase Energy) - Head Office World Schneider Electric

by Thierry DJAHEL / 2013-06-06 11:15:13 / France / 16240 / FR



Building Type : Office building < 28m
Construction Year : 2008
Delivery year : 2008
Address 1 - street : 35 rue Joseph Monier 92500 RUEIL-MALMAISON, France
Climate zone : [Cfc] Marine Cool Winter & summer- Mild with no dry season.

Net Floor Area : 35 000 m² SHON

Certifications :



General information

Office building built in 2008, under RT2000 thermal regulation.
 Description: 35,000 sqm on levels 7, 1850 people, one auditorium, one canteen, two levels of parking (700 spaces)

- Construction Certification:
- HQE Construction
- Certification in operation (to 100% by SCHNEIDER ELECTRIC)
- HQE Exploitation, Level 14 targets "Very efficient"
 - BREEAM in Use International Level "6 stars , Outstanding "(1st World)
- Management System Certification
- ISO 14001
 - ISO 50001 (first certified in the world)

The use of Active SCHNEIDER ELECTRIC Energy Efficiency solutions installed in the building and implementation of the Management System of Energy ISO

50001 have to divide by two the consumption of the building in three years

Presentation of SCHNEIDER ELECTRIC solutions used on this building:

<http://www.schneider-electric.fr/sites/france/fr/solutions-ts/batiments.page>

<a

Sustainable development approach of the project owner

This building is gathering employees previously spread over 10 sites in the Paris region. ISO 14001 HQE Exploitation, BREEAM In Use, ISO 50001

Architectural description

Ventilated double skin

Stakeholders

Stakeholders

Function : Construction Manager

M. Jean Michel VILMOTTE Architecte

<http://www.wilmotte.fr/pge/homepage/index.php>

Function : Developer

MEUNIER - BOUYGUES IMMOBILIER

Function : Contractor

SCHNEIDER ELECTRIC

Function : Investor

La Mondiale

Function : Site manager

SCHNEIDER ELECTRIC

Energy

Energy consumption

Primary energy need : 161,00 kWh/m².an

Primary energy need for standard building : 250,00 kWh/m².an

Calculation method : RT 2005

Breakdown for energy consumption : 80% Electric 20% Gas

Envelope performance

Envelope U-Value : 1,01 W.m⁻².K⁻¹

More information

The combination of 10 sites in the Paris region into a single one has to divide by two conventional final energy consumption from 320 kWh/m² to 150 kWh/m².

Since the move, thanks to solutions SCHNEIDER ELECTRIC Energy Efficiency Active, conventional consumptions have been divided by 2 from 150-78 kWh/m²/yr final energy (161 primary energy) is the new HPE level RT2005. That represents a total division by 4 of energy consumption in 4 years.

Renewables & systems

Systems

Heating system :

- Gas boiler

- o Others

Hot water system :

- o Gas boiler
- o Individual electric boiler

Cooling system :

- o Water chiller

Ventilation system :

- o Nocturnal ventilation
- o Double flow heat exchanger

Smart Building

BMS :

System Struxure Ware Building SCHNEIDER ELECTRIC (GTB, Supervision Energetics)

Smartgrid :

Scans Smart Grid building Ready

Environment

Urban environment

To the west of Paris, about 10 km

At 8 minutes walk to the RER Rueil Malmaison. A 400 m pedestrian banks of the Seine

Products

Product

aa

aa

ifpeb@ifpeb.fr

<http://www.ifpeb.fr>

Product category :

sss

sss



Health and comfort

Water management

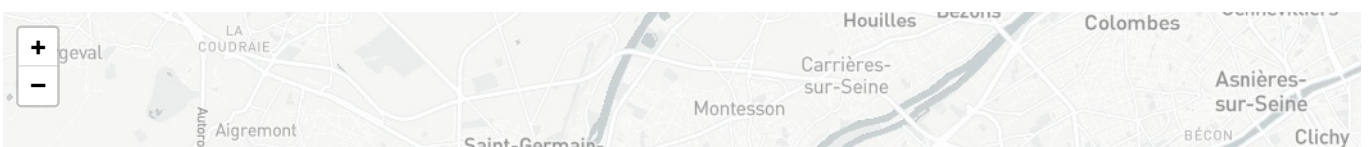
Water Consumption/m2 : 0.51

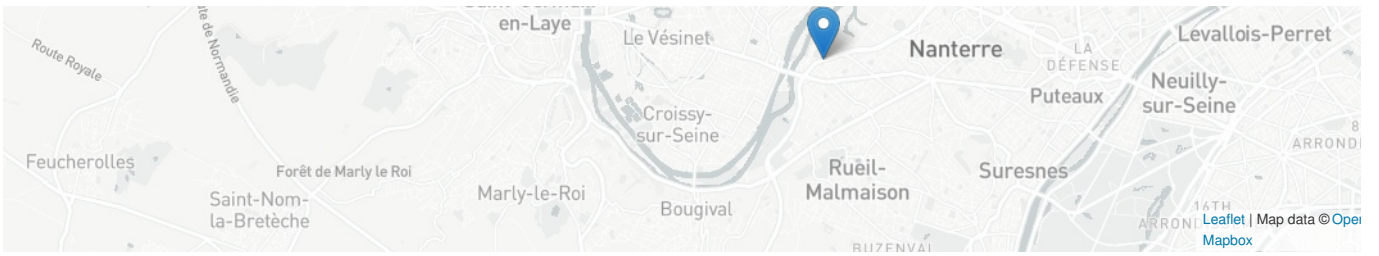
Water Consumption/Work station : 9

Consumption from water network : 18 000,00 m³

Indoor Air quality

Quarterly measurement of 14 parameters (VOC Formaldeyde, temperature, humidity, CO2, Bacteriological, etc.)





Date Export : 20230315124537