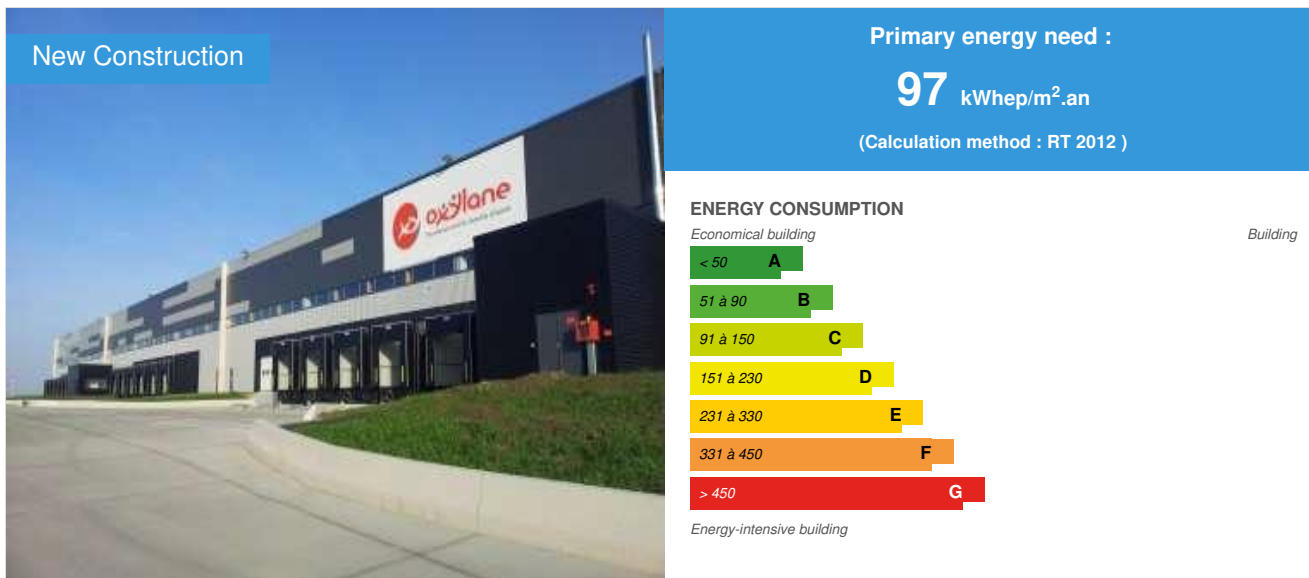


## ARGAN logistics platform - OXYLANE

by Association HQE / 2014-09-03 15:01:42 / France / 4808 / FR



**Building Type :** Logistics warehouse

**Construction Year :** 2013

**Delivery year :** 2013

**Address 1 - street :** Route Nationale 59220 ROUVIGNIES, France

**Climate zone :** [Cfb] Marine Mild Winter, warm summer, no dry season.

**Net Floor Area :** 57 129 m²

### Certifications :



Proposed by :

Alliance  
**HQE** **CERTIVEA**  
GBC FRANCE

### General information

- Certified cycle: Construction
- Certified phase: Design program
- Global HQE rating: EXCELLENT
- AFILOG Ranking: 2 Stars

The project consists of 54000 m² distributed on 9 storage cells on 2 wings connected by 1 550m² of offices and social areas. It is the 5th ARGAN operation certified "NF Bâtiment tertiaires – Démarche HQE" (French standard for tertiary buildings with high environmental quality approach) showing the qualitative approach adopted by ARGAN for its assets management strategy and its will to promote the project's environmental component through certification.

### Sustainable development approach of the project owner

- Certified cycle: Construction
- Certified phase: Design program
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The project aims to provide a functional and well integrated site, controlled consumptions in the long term and a comfortable and healthy work environment.

Pragmatic and controlled solutions are set up by placing the user at the heart of the building design.

Biodiversity

The project is the subject of a qualitative landscaped development in order to improve the biodiversity of the site which is a former agricultural plot. Many varieties were planted and total replanting of rainwater management pond was implemented/

Energy performance:

The envelope of the warehouse is insulated to limit heat losses through the walls, and all 87 platforms are equipped with external airlocks to limit air infiltration.

The lighting of the cells is regulated according to the luminosity and controlled by motion sensor in the rack aisles.

Health and comfort

The user experience is highly improved by access to natural light and to thermal quality control. The heat treatment of the envelope associated with heating and cooling regulation systems helps to ensure control and stability of temperatures in the warehouse as in offices. The implementation of indoor covering products with low-COV emissions associated with efficient ventilation systems allows a healthy indoor environment for users.

Contributions of certification to the relations with the developer contractor and / or local authorities: Certification allows ensuring environment commitment of the contractor to the other stakeholders.

Contributions of certification to the operation and its actors: Certification gives to the contractor some assurance on the quality of the building whose the realization is entrusted to a builder-developer. This assurance is also useful for the building user since it helps to controlled operating costs and have many indirect advantages related to the working conditions of collaborators.

## Architectural description

The project consists of 54000 m<sup>2</sup> distributed on 9 storage cells on 2 wings connected by 1 550m<sup>2</sup> of offices and social areas.

The building is mainly characterized by its qualitative access to natural light. The offices have a crossing access and the cells benefit from additional light thanks to many glazed openings on the façade contributing to significantly improve the visual atmosphere and giving view on the outside.

## See more details about this project

[http://assohqe.org/hqe/IMG/pdf/fiche\\_operation\\_ARGAN\\_ROUVIGNIES.pdf](http://assohqe.org/hqe/IMG/pdf/fiche_operation_ARGAN_ROUVIGNIES.pdf)

## Stakeholders

### Stakeholders

Function : Contractor

ARGAN

Jean-Baptiste RÉROLLE – [jb.rerolle\[a\]argan.fr](mailto:jb.rerolle[a]argan.fr)

<http://www.argan.fr/>

Function : Designer

SAGL

<http://www.sagl.net/>

Function : Developer

GICRAM

<http://www.gicram.com/>

Function : Other consultancy agency

DAUCHEZ PAYET

Jérémie POUPONNOT – [jpouponnot\[a\]dauchepayet.fr](mailto:jpouponnot[a]dauchepayet.fr)

<http://www.dauchepayet.fr/>

Function : Others

Gilles Genest

<http://www.paysagesgenest.com/>

Landscape

Function : Certification company

CERTIVEA

01 40 50 29 09

<http://www.certivea.fr>

## Energy

### Energy consumption

Primary energy need : 97,00 kWhEP/m<sup>2</sup>.an

Calculation method : RT 2012

Breakdown for energy consumption : Primary energy needs for RT2012 only concern 1878m<sup>2</sup> of offices, social areas and outbuilding submitted to the RT2012.

Primary energy needs of warehouses are calculated on the basis of the RT2005: 83.08 kWhEP/m<sup>2</sup>.an (despite a recommended temperature < 12 °C)

## Renewables & systems

### Systems

Heating system :

- Individual gas boiler
- VAV System

Hot water system :

- Individual electric boiler
- Other hot water system

Cooling system :

- VAV Syst. (Variable Air Volume system)

Ventilation system :

- Double flow heat exchanger

Renewable systems :

- No renewable energy systems

Other information on HVAC :

Ventilation: variable-delivery double flow ventilation device, yield of 70%. CO2 sensor in intermittently-occupied rooms.

Hot water: 1 electric cylinder and 1 thermodynamic cylinder

## Costs

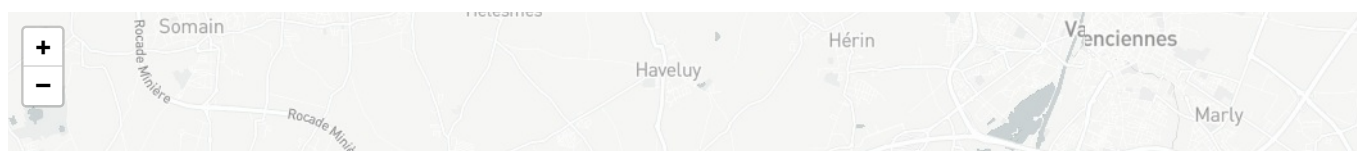
## Health and comfort

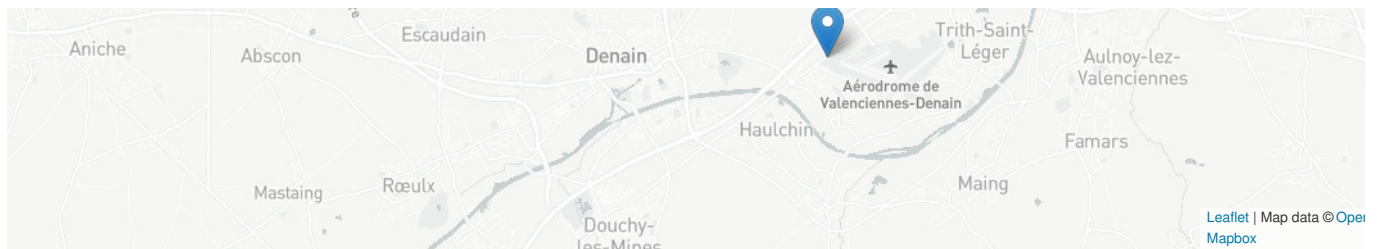
### Water management

Rainwater management pond

### Indoor Air quality

The implementation of indoor covering products with low-COV emissions associated with efficient ventilation systems allows a healthy indoor environment for users.





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