

Project

TIMBER-FRAMED OFFICES

Architects

ARCHIWIND SOCIÉTÉ D'ARCHITECTES

Address

Fleming Science Park, 1348 Louvain-La-Neuve

Programme

Construction of the headquarters of the company Dapesco, the brief being to optimise energy resources in line with the principles of sustainable development.

About

In the light of global warming, the company Dapesco chose to build environmentally-friendly offices and to put the focus on the notion of the positive energy HEQ building.

The building is completely in wood. The pole and beam system is simple: the components of the super-structure are pre-scored and pre-drilled in the factory before being assembled on site. The facades and gables are then closed with massive wood, which offer a direct timber finish towards the inside. The incurved roof is covered with a waterproof membrane combined with photovoltaic cells in order to optimise the solar receptivity. The roof overhang plays the role of awnings, offering protection against direct sunlight at the height of the summer.

Sustainable approach: use of a double flow system combined with an underground heat exchanger, implantation of a 12 m² photovoltaic solar tracker, lighting consumption limited by installing sensors, water-saving devices to reduce tap water consumption .

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OTHER PROJECTS :

Middelweg
- 2008 2013
- Bruxelles

Sustainable/low energy district
- 2011 2013
- Peruwelz

Typology

Offices (include mixed use)

Status

Built

Conception

2006

Delivery

2009

Client

Dapesco s.a.

Total budget

487 000

Area

400



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