

Bayer - New office building Diegem

In Diegem, the former Schering building was demolished and replaced by a prestigious new building for Bayer. Ingenium designed all technical systems with a strong focus on application of energy efficient techniques.

With a strong focus towards application of energy efficient techniques, Ingenium designed all technical systems for this new office building. This has led to an innovative concept with application of concrete core activation for the air conditioning system. The necessary heat and cold is produced with Borehole Energy Storage in combination with a heat pump. Photovoltaic cells, earth-air heat exchangers, etc. were also integrated in the technical concept,

By use of this total concept, the primary energy consumption for cooling and heating will be reduced for approximately 50 %, which results to an annual decrease of 86 ton CO₂.

The building won the Belgian Energy Prize for non-residential buildings in 2009 (Organised by the Royal Federation of Belgian Architects).



Reference: 07017.001

Developer

Bayer

Designer / Architect

Schellen Architecten bvba

Location

Diegem

Budget technics

ca. 4.900.000 EUR (excl. tax)

Surface

10.000 m²

Period

2007 - 2009

Sectors

Smart office building

Services

Sustainability & Certifications
Feasibility studies & audits
Building services engineering