

Construction of a data center, UZ Gasthuisberg Leuven

Due to the growing need of power, cooling and space for additional IT infrastructure, the Hospital University of Leuven decided to build a new datacenter, able to house 170 new racks.

The requirements of the datacenter are those of a Tier3 for power and cooling. The power is directly connected to the high voltage distribution network of the campus. Power to the racks is fed by 3 independent sources: the normal electrical network and 2 independent generators. As for HVAC, 2 independent circuits for cooling production and distribution are provided of which one circuit is energy optimised. Energy optimisation is done by a system of cold-heat ground exchange.

The datacenter has been designed for a total power of 1,5 MW.



Reference: 06054.011

Developer

UZ Leuven

Designer / Architect

ARTE

Location

Louvain

Budget technics

approx. 8.300.000 EUR
(excl. tax)

Surface

500 m²

Periode
Study:

2008 - 2012

Sectors

Datacenter

Services

Building services
engineering