

Energy audit Commissioning lab building VIB, UGent

The Ghent University has charged Ingenium with performing a specific energy audit on the lab building of the Flemish Biotechnology Institute (Vlaams Instituut voor Biotechnologie – VIB).

The study comprises an in-depth analysis of the air conditioning facilities of the lab spaces. Air conditioning takes place by means of a central air handling unit, reheat batteries and VAV control. Current performance was recorded by means of data measured in different conditions (summer, in-between season, winter). Based on a thorough analysis and after consultation with the involved parties, deviatory performances were identified and optimizations were proposed. Besides energy consumption, also thermal comfort was examined and a few recommendations for improvement were formulated.



Reference: 06037.001

Developer

Ghent University

Location

Ghent

Periode

Study:

2006 - 2007

Sectors

Biotech, lab & cleanroom

Services

Building services

engineering

Startup & commissioning