

Education & Research 4, KUL

'Onderwijs en Navorsing 4' (Education and Research 4) is a lab building of about 40,000 m² specifically used for biotechnology, located on the Gasthuisberg campus of the Leuven Catholic University.

Onderwijs en Navorsing 4 (Education and Research 4) is a lab building of about 40,000 m² specifically used for biotechnology, located on the Gasthuisberg campus of the Leuven Catholic University.

The building comprises laboratories with microbiological safety cabinets (Laminar Air Flow) and acid and product lockers. A writing- and office room for 'postdocs' is integrated in the open-space laboratories. A high air exchange rate is needed because of the particular safety requirements.

The containment levels are L1, L2 and L3. Two complete floors are reserved for cleanrooms ventilated to meet classification A, B, C or D. One floor with cafeteria and auditorium serves as interface with the surrounding and the adjacent buildings. The building is connected to the campus supply tunnel. Car parks are provided under the building. Ingenium was charged with the design of the techniques.

Ingenium Energy is acting as Energy Consultant for this project:

- Energy study in accordance with the Energy Plan Decree for an extension with additional consumption exceeding 0.01 PJ (Primary Energy),
- Energy Performance (EPB) advice and (EPB) reporting,
- cost-effectiveness study on cold production



Reference: 05053.001

Developer

KU Leuven

Designer / Architect

ABSCIS Architecten

Location

Leuven

Budget technics

approx. 14.000.000 EUR
(excl. tax)

Surface

40.000 m²

Periode Study:

2010-2012

Sectors

[Education](#)
[Biotech, labo & cleanroom](#)

Services

[Building services](#)
[engineering](#)
[Startup & commissioning](#)