

## Education & Research 4, KUL

'Onderwijs en Navorsing 4' (Education and Research 4) is a lab building of about 40,000 m<sup>2</sup> specifically used for biotechnology, located on the Gasthuisberg campus of the Leuven Catholic University.

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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 m<sup>2</sup>

### Periode Study:

2010-2012

### Sectors

Education  
Biotech. lab & cleanroom

### Services

Building services  
engineering  
Commissioning