

Queen's University Belfast, School of Biological Sciences

Belfast

Client:
Queen's University Belfast

Consultant:
Hoare Lea

Main Contractor:
OHMG

Architect:
Scott Tallon Walker

NUGENT Mechanical:
Brendan Gildernew

Completion:
September 2018

Value: £40m



The new QUB, School of Biological Sciences offers state-of-the-art teaching & research facilities for its 750 students & 170 staff. This is a landmark fully compliant BIM Lvl 2 project LOD 7 with COBIE asset information, LO17, QUB's Flagship BIM programme, & the first in Ireland to be Lvl 2 compliant.

MEP services installed by NUGENT

- Supply & extract ventilation throughout the building delivered via 11 No. AHU's
- Local exhaust ventilation (fume extract systems) to 30no. Fume Cupboards, 20no. Safety Cabinets, 3no. Local Extract Canopies, 2no. Extract Ams & 1 dissection bench via 42 Fume Extract Fans
- Heating services throughout the building served by 6no. 350kW Gas fired condensing boilers & 2no. CHP units
- Chilled water services throughout the building served by 2no. 450kW air cooled chillers units
- Air conditioning systems in 6no. IT Comm's Room
- Refrigeration systems serving 12no. constant temperature rooms, 10no. purpose-built cold-rooms & 4n. purposed built freezer rooms
- Processed water system serving numerous Laboratory throughout the building which also includes a Reverse Osmosis water supply
- Domestic water system serving numerous kitchens, tea stations, toilet areas & shower rooms throughout the building.
- Laboratory gas systems throughout the building delivered via duty / standby gas bottle manifold arrangements & bulk gas store tanks, duplex compressed air plant, nitrogen generators & localized vacuum systems.

