



HEALTHCARE

Environmental | ESD | Air | Power | Noise | Structure

Project: C25 Project - New Cancer Research Facility for UNSW



Project Description

KAE assisted UNSW and BLL to deliver this state of the art cancer research facility. The project will deliver a new world bench mark for cancer research facilities.

The project comprises approximately 17000sq m of laboratories, laboratory write-up areas over 8 levels.

The facility will be cradled by a stunning façade designed by Lahznimmo Architects & Wilson Architects in association, fit for the facilities exposed external location on site required iconic status.

Scope of Services

KAE are providing mechanical and medical gas designs for the project including:

- PC2 class laboratory air conditioning and ventilation systems
- Co generation with absorption chiller study
- Air conditioning to non laboratory areas
- Fume cupboard
- Natural ventilation
- BMCS for all services
- Miscellaneous ventilation for specialist areas
- Medical gases central plant and systems for N², CO² Vacuum, compressed air etc

The project is utilising state of the art plant and systems, energy recovery and computerised design to ensure a low energy consuming project, whilst maintaining critical laboratory conditions. The project is targeting a minimum 4 star green star rating utilising the new pilot education green star tool.