



PROJECT PROFILE



Bio-medical Sciences Building

THE TASK

Schal is continuing to act as Project Managers on the completion of a new research facility for the School of Biological Sciences at the University of Manchester. The building was officially opened early in 2005 and named the Michael Smith Building after one of the University's Nobel Prize Winners.

Situated in the heart of the University campus, the complex was split into 4 phases. Phases 1 and 2 were constructed together to virtually form a quadrangle around a central courtyard and Phase 3, which comprises half a wing, will complete the quadrangle. Phase 4 was fitted-out completing in 2008.

The building provides offices and open plan write-up areas with a glazed atrium over looking the central courtyard and generic primary and secondary laboratories forming the wings of the building. The hubs which act as hinges at the end of the wings, house the specialist service areas such as ACDP CAT 3 laboratory suites, the decontamination suite and dark rooms etc.

The ground floor of the wings contains laboratories, write-up areas, the staff lounge and bioinformatics computing areas. The 3 upper floors contains laboratories connected to the write-up areas by walkway links across lightwells. The 5th storey over the laboratories contains plantrooms and the services are distributed vertically via risers located at the ends of the wings. The 6 storey hubs contain meeting rooms, storerooms, specialist laboratories, toilets, lifts and staircases. The building is highly serviced and contains specialist services such as laboratory gases and de-ionised water.

CLIENT

The University of Manchester

PROJECT VALUE

Phase 1 - £22.8m
Phase 2 - £17.2m
Phase 3 - £11.6m
Phase 4 - £4m

SERVICES

○ Project management

TYPE

New Build/Fit Out

START DATE

Phase 1 - 2001
Phase 2 - 2001
Phase 3 - 2005
Phase 4 - 2006

COMPLETION DATE

Phase 1 - 2004
Phase 2 - 2004
Phase 3 - 2006
Phase 4 - 2008

Bio-medical Sciences Building, Manchester

Phase 1, which was partially funded by the Joint Infrastructure Fund, houses the Integrative Centre for Molecular Cell Biology. The centre brings together 31 research groups, working in areas such as cell biology, genomics and bioinformatics. Full details of the research areas can be seen on their web site, www.biomed.man.ac.uk.

Phase 1 was completed and occupied in January 2004 and Phase 2 was completed and occupied in May 2004. Phase 3 is currently being designed and is programmed to start on site in January 2005 and complete in September 2006.

A separate contract for site preparation and enabling works commenced during the summer recess of 2001 and was completed by December 2001. The major project was carried out by Amec under a 2 stage contract and several work packages such as piling works, drainage and the ground floor slab were carried out under letters of intent to maintain progress.

This project was the first Schal project to be filmed by webcam. The webcam was conceived as a tool for the University of Manchester School of Architecture to show phases of a building's development. Viewers can see images from the archives and play images back as a film showing the building growing from the ground floor slab to the completed structure. The webcam images can be viewed at www.msa.ac.uk/webcam.

Schal were appointed at the end of Stage D design and as well as managing the day to day activities associated with a effectively 2 major projects, liased and are continuing to liase with the many end-users to ensure that their requirements are fully met within the constraints of the cost plan & programme.

TYPE OF CONSTRUCTION

Due to the briefed requirement to minimise any potential vibration, the laboratories areas including the hubs were constructed from insitu concrete and the lightwell and office areas were constructed from structural steel with insitu concrete floors. The main elevations of the building are clad in glass curtain walling and the hubs are clad in a combination of terracotta block and cladding panels.



FURTHER DETAILS

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