

# UNSW Lowy Cancer Research Facility

University of NSW, Sydney



## Completed

September 2009

## Client

University of NSW

## Value

\$94million

## Bovis Lend Lease Involvement

Project management, design and construction

## Highlights

- High standards in sustainability will be targeted throughout the project, including the incorporation of water and energy-saving features.
- Bovis Lend Lease has built an enduring relationship with the University of New South Wales – this will be the fifth project completed on the site by Bovis Lend Lease in ten years.

The new eight-level, 16,800 square metre cancer research facility for the University of NSW will be jointly occupied by the Faculty of Medicine and the Children's Cancer Institute of Australia. The project is the fifth undertaken by Bovis Lend Lease at the University within the last decade. Our team was entrusted with management roles in the development of this leading research facility, which brings together research teams working on both adult and childhood cancers. Bovis Lend Lease has worked closely with the University to ensure that the building meets the highest standards, including specific technical and scientific requirements for specialised laboratories.

## Project Scope

The Facility incorporates a total of eight levels: two basement levels and six above ground. The building has two basement levels with four laboratory levels including associated write up and support areas and two levels of management offices.

## Design Challenges

The specialised scientific requirements of a building such as UNSW Lowy Cancer Research Facility presented numerous challenges in design. Half the floor area will be occupied by PC2 Physical Containment laboratories, which are heavily serviced and require certification for use by the Office of Gene Technology Registrar (OGTR). The Facility's location on the UNSW Upper Campus provides expansive views of the Sydney skyline to the north, and over an internal landscaped garden area to the south. To capitalise on these views, the building will have an iconic facade featuring a curved, glazed curtain wall enhanced by shaped pre-cast elements, providing research and support staff with an engaging workplace environment.



## Leadership in Sustainability

The project aspires to achieve a high-level environmental rating. The UNSW Lowy Cancer Research Facility will incorporate innovative water harvesting and reuse and sunshade elements to reduce energy consumption. The team are investigating the use of gas fired generators to produce electricity for the building, using the heat to supplement the hot water systems, which will reduce energy consumption. A detailed and ongoing tree protection scheme is being provided to ensure the safety of the environment for the entire site. The project team are implementing a recycling and rubbish scheme whereby plastics, timber, plasterboard, metals and general rubbish are recycled appropriately.

## Client endorsement

Bovis Lend Lease has a long association with UNSW, having recently completed the \$220 million North Mall Development Zone projects and having previously constructed the Scientia building and Graduate School of Management. Bovis Lend Lease was selected as the alliance partner to deliver the Cancer Research Facility following a competitive process in August 2006.

"We have a very good working relationship with Bovis Lend Lease personnel, both at the management level and on the site. Our new laboratory building is technically very demanding in terms of services and other technical specifications. We have been very happy with the level of expertise provided by Bovis Lend Lease to handle these requirements. There is strong emphasis on safety and Bovis Lend Lease works effectively both with the Chemistry occupants and the hazardous materials contractors to ensure a safe working environment."

Dr. Grainne Moran, School of Chemistry