

The new Royal Children's Hospital project

Melbourne, Australia



Client:

Department of Human Services, Victoria

Value:

Bovis Lend Lease contract value:
A\$1billion

Size:

165,000 m²
Stage 1 – 140,000sqm (not incl car park)
Stage 2 – 25,000sqm (not incl car park)

Car park:

Stage 1 – 48,000sqm
Stage 2 – 27,000sqm

Completion date:

Stage 1 - 2011
Stage 2 - 2014

Bovis Lend Lease Role:

Project Management
Design
Construction
Finalisation and Transition Management

Highlights

- The new Royal Children's Hospital is being delivered under State Government's Partnerships Victoria policy. Bovis Lend Lease is a key member of the Children's Health Partnership delivering the new Royal Children's Hospital. Other members of the Partnership are project sponsors, Babcock and Brown and the Spotless Group who will maintain the facility for 25 years.
- 85 per cent of all rooms will be single rooms, providing patients and their families with privacy, without compromising staff visibility or patient safety
- The new hospital will be surrounded by parkland: 80 per cent of all patient rooms will have views of the park, courtyards and gardens
- Environmental initiatives to reduce energy and water usage on the project will include: rainwater collection from 75 per cent of new roof areas, a blackwater treatment plant, a 10 per cent reduction in overall energy use (compared to a normal hospital), a 2.8MW gas-fired trigeneration plant, chilled beam air conditioning, a biomass boiler, solar panels and parking for 500 bikes.



Project Scope

The new Royal Children's Hospital project is the largest hospital redevelopment to be undertaken by the State of Victoria and one of the largest hospital projects underway in Australia.

The new Royal Children's Hospital will be purpose built for kids and the way they are cared for today and into the future.

The project involves construction of a new 165,000 square-metre hospital facility over 7 levels, with 75,000 square metres of car parking space over 3 basement levels. The new hospital facility will be located immediately to the west of the existing site on Flemington Road in Parkville. At its peak, the project expects a workforce of 1500 people.

The structure consists of 280,000 square metres of formwork scheduled to be in place in 18 months across 3 main building facades.

The services and equipment installation and commissioning and transition of the hospital to its new location will be technically complex and will require careful co-ordination and planning.

Once delivered, most of the existing hospital will be demolished and the current site transformed into parkland. There will be no net loss of parkland as a result of this project.

Leadership

Design Leadership

The hospital has been designed to provide world class health care to the children of Victoria and will include the following features:

- A child-focused, family-centred care approach
- A design which maximises its parkland setting and provides a healing environment for patients, families and staff
- A central, linking 'street' that de-institutionalises the hospital, provides a hub of activity for the hospital community and making it easier for patients, their families and staff to find their way around
- Has flexible design and infrastructure, capable of adapting to new technologies and emerging trends in paediatric healthcare, changes in clinical practice and models of care
- Providing state-of-the-art facilities for teaching and research within clinical areas, and between the hospital and its key education and research partners - the Murdoch Children's Research Institute and the University of Melbourne Department of Paediatrics.