



# WOMEN'S & CHILDREN'S HOSPITAL

**MAIN CONSTRUCTION COMPANY :** Hansen Yuncken  
**DEVELOPER :** DTEI / SA Health  
**PROJECT END VALUE :** \$27 Million  
**COMPLETION :** December 2011  
**ARCHITECTS :** Cheesman Architects  
**CIVIL / STRUCTURAL ENGINEER :** Kellogg Brown & Root  
**COST MANAGER :** Rider Levett Bucknall  
**SURVEYOR :** HY Surveying



## BUILDING AUSTRALIA'S FUTURE

Established in 1918, Hansen Yuncken is one of Australia's leading construction companies and continues to be at the forefront of change and innovation within the building and construction industry.

Known for their pioneering role in the application of new technologies, the development of new construction techniques and the implementation of leading project delivery methods, Hansen Yuncken consistently provide outstanding customer service and project results in a proactive and time efficient manner.

Able to tailor various procurement strategies to meet the specific needs of any project, Hansen Yuncken has a prolific project portfolio. This includes the recently awarded new Royal Adelaide Hospital, the renowned MONA gallery near Hobart, Emirates Wolgan Valley resort & spa in NSW, Cairns domestic air terminal redevelopment, and currently the Women's and Children's Hospital redevelopment project in South Australia.

This \$27 million redevelopment involved the construction of three new levels of structure to the existing Gilbert Building, in addition to an associated state-of-the-art fit out and services modifications.

Engaged as the Managing Contractor, David Focareta, Project Manager from Hansen Yuncken, said their extensive role had incorporated a number of responsibilities.

"Our involvement included reviewing the Hospital's overall budget and design, particularly in terms of its' construction possibilities, as well as preparing and issuing master construction targets, short term outcomes and commissioning programs," Mr Focareta said. "In addition, we needed to coordinate and organise the subcontractors required for the redevelopment, as well as manage and oversee all of their activities to ensure the project was delivered in both a time and cost efficient manner," he said.

Commencing the early works in April 2010, the professional team from Hansen Yuncken employed a range of new construction techniques and products whilst working on the Hospital. Some of these included an external fuscia truss, a scaffold layer system and the use of a concrete lift shaft to erect the entire tower crane framework.

Given the scope of such a significant redevelopment, Hansen Yuncken faced a number of challenges throughout the construction process. One

of these was the need to install the subcontractor amenities, consisting of three, 12 metre site sheds and one, six-metre ablution shed, on the Hospital's roof, seven levels up. This resulted from the fact the initially proposed installation plan, for the amenities to be installed at street level, needed to be amended to suit the client.

"In addition, as all of the loading bays were shared with the subcontractors and Hospital staff, major coordination with everyone onsite was required at all times," Mr Focareta said.

"Furthermore, we needed to ensure all of the Hospital's operations and existing services, such as cooling towers, chilled water, medical gases, smoke spill fans and exhaust fans, were not affected throughout the construction process.

"In order to achieve this, as well as maintain a safe and efficient site at all times, all of the required relocated plant and connections were carefully planned," he said.

As the additional floors to the Gilbert Building were constructed adjacent and just above the very sensitive Neonatal Intensive Care Unit (NICU), Hansen Yuncken took great lengths to ensure that the

various stages of construction taking place caused minimal impact and disruption to patients and staff.

"Hansen Yuncken's ability to plan in advance and consider the effects of time, cost and quality for every item we encountered whilst working on the Hospital, ensured the swift delivery of all of the required objectives of the project," Mr Focareta said.

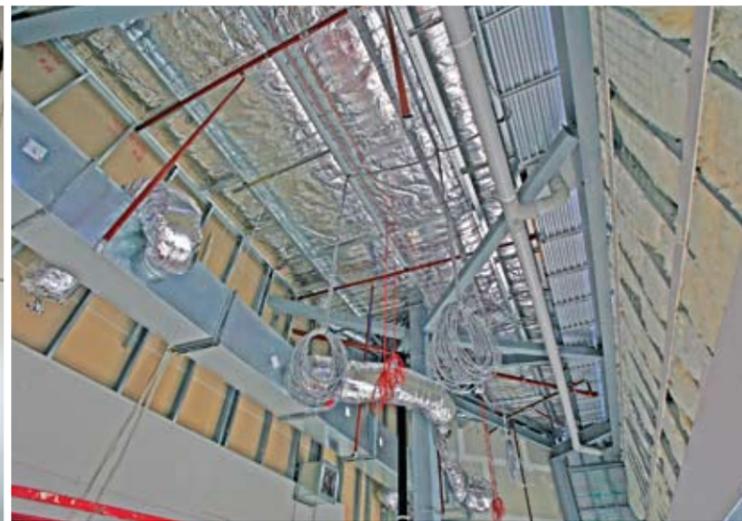
Committed to developing long-term client relationships, as well as providing a range of high quality services, Hansen Yuncken will continue to uphold their proud reputation as a diligent, responsive and innovative contracting organisation.

### HANSEN YUNCKEN

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## FOR ALL YOUR CEILING & PLASTERING NEEDS



Recognised for their diverse skills and level of expertise, Laser Linings has been at the forefront of the Australian building and construction industry since 1995.

Specialising in ceilings, plastering and a range of specifically tailored ceiling services, Laser Linings have worked on a number of significant projects throughout South Australia. Some of these include Parliament House, St Peter's College, IKEA, the Hindmarsh Stadium and more recently, Adelaide's Women and Children's Hospital.

This important \$27 million redevelopment involved the construction of three new levels of structure to the existing Gilbert Building, in addition to an associated state-of-the-art fit out and services modifications. Sitting within three new floors on top of the Gilbert Building, the facilities will improve the hospital care of sick children, manage life threatening and often chronic diseases and equip researchers with the best-possible facilities and tools.

Given their extensive industry expertise, the team from Laser Linings was responsible for the installation of the new ceilings in the additional Gilbert Building structure. Using a range of their leading ceiling and plaster

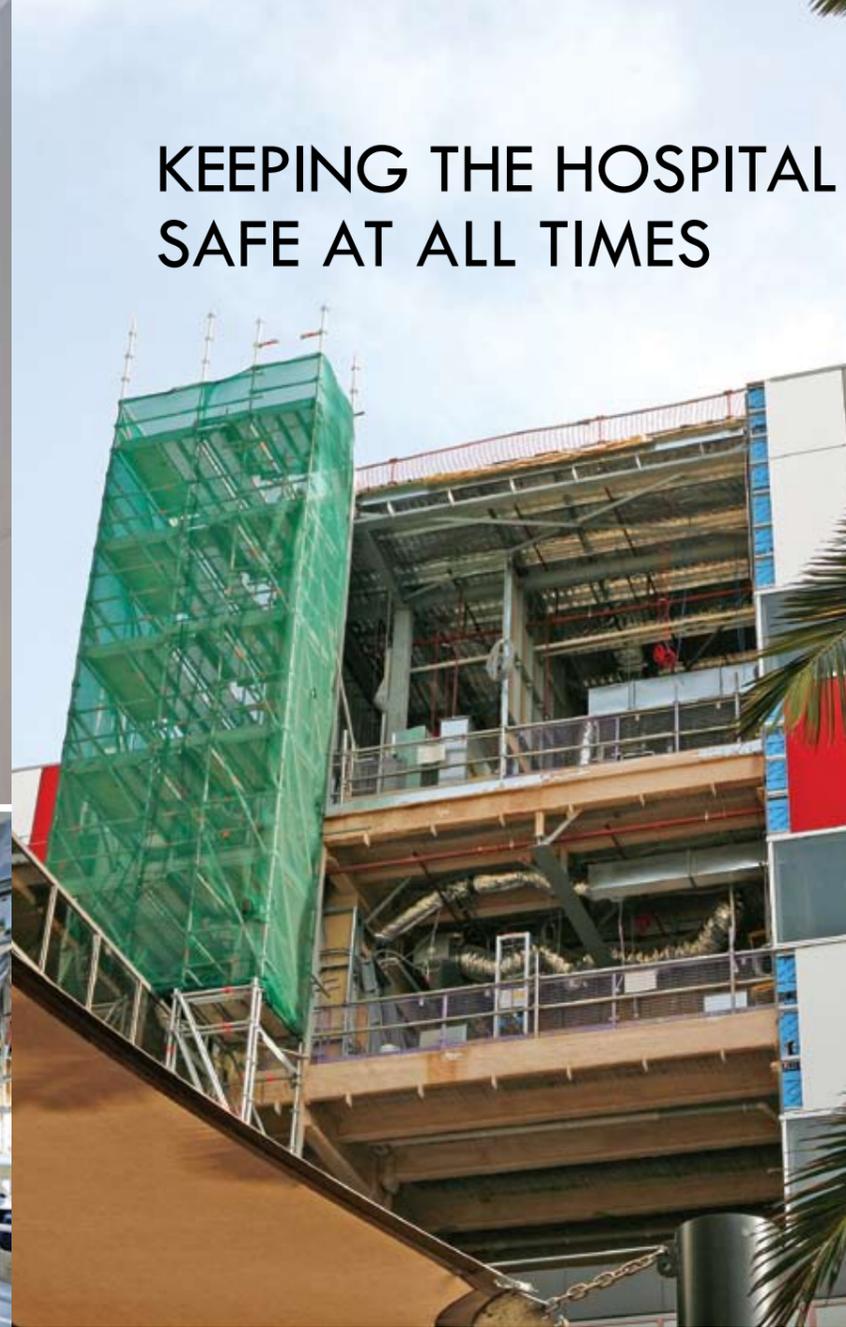
products, as well as their innovative installation and repair techniques, Laser Linings delivered cutting-edge results in both a time and cost effective manner. In addition, due to the fact the Hospital needed to remain functional throughout the various construction phases, the team from Laser Linings liaised closely with the client, Hansen Yuncken, and other onsite contractors to ensure a smooth-running and safe building site.

This resulted in Laser Linings being able to once again, successfully complete their project responsibilities without facing any challenges, nor causing any unnecessary disruptions to the construction process.

With a number of prestigious building awards to date, as well as a complete commitment to delivering optimum results every time, Laser Linings will remain the number one choice to deliver all of your next project's ceiling and plastering requirements.

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## KEEPING THE HOSPITAL SAFE AT ALL TIMES



TLT Access Services, a company that specialises in access services, personal hoists and scaffolding, delivers a range of projects for the commercial, mining and industrial sectors.

Since 2005, they have provided consistent and reliable services to a range of clients and are dedicated to developing strong business relationships. Having worked on a number of significant South Australian projects, such as Burnside Village and the Desalination Plant, TLT Access Services were also recently involved on the Women and Children's Hospital redevelopment.

Throughout their involvement, which commenced in November 2005, the highly-skilled TLT Access Service's team delivered the Hospital's required access and protection scaffolds.

Given the fact the building remained operational throughout construction, safety to the public, patients and staff was imperative. As a result, TLT Access Services used the leading Layher Scaffold Product. This product, which was erected using a crane lifting a 25 metre bridge into place, ensured the construction site, in particular the playground area, remained a safe place at all times.

In addition, due to the size of the Women and Children's Hospital construction site, the experienced team from TLT Access Services needed to apply their industry expertise in order to ensure the large building areas were safe at all times.

To overcome this challenge, they built the required scaffolds on the ground at the site of the Hospital, and then craned them into position. As a result, TLT Access Service's men were less exposed while working at heights and the site remained a safe place at all times.

Through a combination of leading client service, quality products, flexibility and outstanding safety standards, it is without a doubt TLT Access Services will continue to uphold their renowned reputation for excellence, within a range of industries.

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