

LAUNCESTON GENERAL HOSPITAL

A POSITIVE RESULT

MAIN CONSTRUCTION COMPANY : Hansen Yuncken
CLIENT : Department of Health & Human Services
PROJECT END VALUE : \$30 Million
COMPLETION : End 2011
ARCHITECTS : Philp Lighton, Architects Designhaus and Health Science
STRUCTURAL & CIVIL ENGINEER : Aldanmark



Hansen Yuncken once again achieved a fantastic result while working on the Launceston General Hospital refurbishment. With challenging circumstances, such as working inside an operating hospital and staging the works around existing departments, Hansen Yuncken coordinated the project with ease.

Working for the Department of Health and Human Services, Hansen Yuncken were chosen as the head contractor for the new Day Procedures Unit, Acute Medical Unit and Department of Emergency Medicine upgrade. Hansen Yuncken also completed work on the Neo Natal unit and Specialist Clinic wing refurbishments at the Launceston General Hospital.

A significant extension to the two upper floors on the Launceston General Hospital was also required under the contract and this extension will provide an extra 2,300m² of space. The building is a conventional insitu formed concrete structure, supported on bored piers, with a façade that includes precast concrete panels, face fixed framed windows, structural glazing and Vitribond cladding.

The Day Procedures Unit, constructed in an area previously used for records storage, includes two Endoscope suites and a procedures theatre, 17 recovery bed spaces, reception and waiting areas along with preparation, clean up and staff areas. Located within the centre of the main floor of the hospital, and surrounded by key clinical units together with the main hospital foyer, this area created significant management challenges to ensure hospital services and public access operated uninterrupted.

The Acute Medical Unit will provide three consulting rooms, five single bed wards, one two bed ward and five four bed wards along with an isolation ward, staff and support areas.

The Department of Emergency Medicine upgrade involved altering the entry off Charles Street including a suspended infill slab to form a new ambulance entry and extending the building on level 3 to provide additional space.

The extension to the upper floors required the cutting off of several columns at level 2 to install larger footings prior to reinstating columns

and the surrounding workshop areas. Demolition on level four and five facilitated the Theatre suite waiting area, sterilising department, doctors' offices and lounge area.

Hansen Yuncken is one of Australia's largest privately owned construction companies. They operate nationally with offices in Victoria, New South Wales, South Australia, Tasmania and Queensland. Since its inception in 1918, Hansen Yuncken have completed in excess of 4500 projects.

With extensive experience in a wide range of project delivery methods, Hansen Yuncken are able to tailor various procurement strategies to meet the specific needs of their clients and to suit projects of all sizes.

Delivery methods are constantly evolving and becoming more sophisticated. Hansen Yuncken is positioned at the forefront of such innovation. They are regularly invited to work with their clients in developing delivery methods. The specialist staff at Hansen Yuncken are qualified and experienced across a range of delivery methods and they understand the requirements and intricacies of each method.

Hansen Yuncken have developed comprehensive procedures and operating systems to assist their clients in making informed decisions. The company demonstrates cost competitiveness and efficiency in the implementation of all delivery methods.

With a focus on communication, Hansen Yuncken promote a culture of effective, honest and respectful communication. Their sophisticated management systems define internal and external communication protocols, which are tailored specifically for each project, to meet stakeholder needs. In addition, Hansen Yuncken utilise web based project and document management platforms and have extensive internal and external reporting systems that facilitate communication during the delivery process.

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ELECTRICAL TECHNOLOGY

Offering services for industrial, commercial and residential clients, Contact Electrical Pty Ltd ensure they are at the forefront of electrical technology. With a commitment to delivering a quality service, Contact Electrical Pty Ltd offer services including light and power installations, security, fire, switchboard design, optical fibre, data, maintenance services and more.

Contact Electrical Pty Ltd provided extensive electrical services on the Launceston Hospital upgrade. These services included general electrical, nurse call and data.

Two key elements on this project was the installation of the Clipsal C-Bus system and a nurse call platform.

The nurse call platform is an Austco system. It has two levels of calls, one for patient calls and one for staff emergencies. A new state of the art Ascom DECT system was also installed to pass messages from the nurse call system, and general staff paging, through to these wireless handsets.

The Clipsal C-Bus system was designed with two key factors in mind. The first was energy management and this was achieved by installing

master switches so that staff can easily control lighting throughout the ward from one central location. Secondly, was to offer particular lighting levels for different situations that presented throughout the day. For instance, high intense lighting is required for certain examinations while a low dimmer light is preferred for patient recovery areas.

Another innovative product used on this project was the MLH921 Series Medical Duct. This was the first time the product was used in Tasmania. The system is assembled and installed with ease due to the modular components being designed to mitigate and reduce alignment accuracy. There are no surface mounting screws on the Medical Duct therefore providing increased infection control properties.

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OPENING DOORS FOR TASMANIA

Tasmanian Fire Doors was responsible for the supply of pressed metal doorframes, architectural, metal clad and fire doors along with fire rated glazing for the Launceston General Hospital upgrade.

With refurbishment and additions being made to the Day Procedures Unit, the Acute Medical Unit and Department of Emergency Medicine, this project will see a significant improvement in services for patients at Launceston General Hospital.

The use of the Aconex communication system greatly improved the projects success. The Aconex system is a widely used online collaboration platform that helps firms manage project information and processes.

Tasmanian Fire Doors found the head contractor, Hansen Yuncken, offered ongoing support and a professional attitude at all times throughout the project.

The staff at Tasmanian Fire Doors worked very hard to ensure the tight manufacturing time frame was achieved on the Launceston General Hospital project.

With a reputation for distributing fully tested and certified products, Tasmanian Fire Doors supply a large range of items such as acoustic doors, security doors and grills, fire stop collars, fire prevention sealants, industrial doors, fire rated windows and more.

Tasmanian Fire Doors is a family owned and operated company with over 100 years worth of combined experience in their field. With the manufacturing of doors and frames at their Devonport workshop, Tasmanian Fire Doors deliver their products state wide. They take pride in providing quality workmanship with a focus on fast turn around times to help their clients stay on schedule.

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A SMOOTH FINISH

TG & JM Wilson Pty Ltd are a family owned business offering a range of services for commercial and industrial projects including painting and decoration, spray finishes, texture coatings and line markings.

TG & JM Wilson provided their friendly, professional service and quality workmanship on the Launceston General Hospital project.

The Launceston General Hospital refurbishment includes additions to the Day Procedures Unit, and Acute Medical Unit and extensions and refurbishment of the Department of Emergency Medicine along with the extension of two upper floors providing an extra 2,300m² of space.

The team at TG & JM Wilson Pty Ltd have recently finished work on the Charles Hotel and Apartments along with providing their services for a new facility at West Launceston Primary School.

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A GREAT DIVIDE

Lotus Doors were responsible for installing folding concertina doors in the Day Procedures unit at Launceston Hospital. They also installed an operable wall in the Department of Emergency Medicine.

LOVAG (TAS) Pty Ltd has been operating as an agent for LOTUS folding walls and doors since the late 90's. They provide a statewide service from design of the wall layout through to final installation.

The range of products on offer includes Acoustic Operable Folding Walls, Opera Glass Acoustic Operable Walls and Acoustic sliding doors.

The panels which have been used on the Launceston Hospital project are of a new construction and allow LOTUS to manufacture higher sound ratings for lower weights than were previously available.

LOTUS is an Australian owned and operated business. All their products are designed and made in Melbourne. The team of designers at LOTUS are constantly improving and developing the range of products.

The range of products on offer at LOTUS features good looks, high performance and ease of use. All of which are backed by a friendly, professional team willing to go the extra mile for their clients.

LOTUS is committed to reducing the environmental impacts of its operations, products and services and increasing the sustainability of the manufacturing & building industry. Their firm commitment to minimising environmental impact has led them to be members of the Green building Council Australia (GBCA), the Windows Energy Rating Scheme (WERS) and the Australian Windows Association (AWA).

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