

GRIFFITH UNIVERSITY

HINDMARSH'S HIGHER LEARNING

MAIN CONSTRUCTION COMPANY : Hindmarsh

CLIENT : Griffith University

PROJECT END VALUE : 26.6 Million

COMPLETION : Early 2010

ARCHITECTS : Deicke Richards

STRUCTURAL & CIVIL ENGINEER : Meinhardt

SURVEYOR : Bennett & Bennett

The new Science and Engineering Building creates an impressive gateway into the eastern end of the Griffith University Gold Coast campus with a frontage on Parklands Drive and a highly distinctive and stylised design.

Opened in 1975, Griffith University is regarded as one of Australia's most innovative tertiary institutions and one of the most influential universities in the Asia-Pacific region. Griffith's Gold Coast Campus, one of five within the university, boasts state-of-the-art facilities with the Griffith University Planning, Design and Construction Division, responsible for delivering new capital works and refurbishment and alteration to existing facilities.

Built by Hindmarsh Construction under a Design and Construct/Managing Contractor contract, the \$26.6m G39 project comprises two 4 storey buildings with a total GFA of 7,900m² and connection by an outdoor foyer.

The building, known as the School of Science and Engineering, will house the Executive, Academic and General staff for the School of Engineering, School of Biomolecular and Physical Sciences. It will also house the Headquarters and Shopfront for the National Climate Change and Adaption Research Facilities. One major variation was the conversion of 900m² from a commercial space to the School of

Architecture, which Hindmarsh successfully completed within the same project timeframe.

The facilities include two teaching labs and one research laboratory for Biomolecular Sciences; three electronics teaching labs, two mechatronics labs and one materials lab for Electrical Engineering and a large open planned design studio, exhibition space and tutorial rooms for the new School of Architecture. A new 150 seat lecture theatre, 6 seminar rooms and two new computer labs have also been included in the project.

The Deicke Richards design – distinctive and striking while blending well with the surrounding environment, symbolically reflects the purpose, ideals, commitment and vision of the academic disciplines the building will house. The outdoor foyer creates a cool, naturally ventilated space for students and visitors to pass through.

The Queensland division of Hindmarsh Construction was responsible for the works, continuing the company's long-standing tradition in quality projects across Australia.

Over 30 years, Hindmarsh has completed many landmark buildings across Australia, with total project value exceeding \$1 billion. A leader in delivering special purpose institutional facilities, Hindmarsh is



currently working on over \$600m worth of special projects across Australia, including College of Science at Australian National University (\$240M) and South Australian Health and Medical Research Institute (SAHMRI)(\$200m).

Other signature buildings constructed by Hindmarsh include: Santos and IAG corporate headquarters Adelaide, John Curtin School of Medical Research ANU Canberra, University of Western Sydney Medical School Sydney, Queensland Swimming and Aquatic Centre Brisbane and the Waterfront Carpark Darwin.

Hindmarsh has built its reputation on achieving exceptional standards throughout Australia and overseas. The new Science and Engineering Building exemplify Hindmarsh's commitment to quality. Its collaborative, proactive and effective management sets new standards of accountability and collaboration.

HINDMARSH

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TOWERING ABOVE THE REST

Cooling Tower Sales and Service Pty Ltd is a provider of quality Cooling Towers, Evaporative Condenser & Fluid Coolers and congratulates their associate business, Lin-Eng and the main builder, Hindmarsh, on the successful completion of the impressive Science and Engineering Building at Griffith University, Gold Coast.

Cooling Tower Sales and Service Pty Ltd is an 100% Australian owned Company. This Company has been servicing the industry for over 30 years and provides a one stop Cooling Tower operation for developers, builders and building owners.

The company specialises in heat transfer products from Cooling Towers to Evaporative Condensers and Fluid Coolers and provides installation services, replacement parts and on going maintenance services.

As the Queensland, Northern Territory and Pacific Island representative for Aqua Cool and Evapco products, Cooling Tower Sales & Service Pty Ltd offers the highest quality products, cutting edge technology and highly experienced service. They represent the full range of Evapco equipment including the steel/stainless steel Cooling Towers, Industrial Fluid Coolers, Evaporative Condensers and Ice Tanks.

With the benefit of the full backup service of associate engineering company Lin-Eng, Cooling Tower Sales & Service Pty Ltd offers a total package covering supply and installations of Cooling Towers. Packages which can include service platforms, safety access ladders and fan cylinder handrails complete with engineering designs with certified and signed off documentation to meet the relevant Australian standards.

The Company's services extend beyond new installations to include refurbishments and retrofits on all makes and models as well as replacement parts for all makes and models including Aqua Cool Towers, BAC, Muller, Marley, Shinwa, Cool Boy, Super Chill/Sulzer and Temcel.

With such an impressive range of products and services and extensive experience, it's little wonder that Cooling Tower Sales & Service Pty Ltd have installed units on many major projects throughout northern Australia.

Projects including Griffith University, Brisbane Campus, QUT Building, Royal Brisbane Hospital, many Apartment and commercial buildings throughout the Brisbane QBD and the Gold Coast, including many industrial sites. Orrcon Steel, Mount Isa Mines, ERA in the Northern Territory.

We set a high standard in this industry and pride ourselves with professionalism and quality.



TAKING ENGINEERING TO HIGH PLACES

How many ladders does it take to change a light bulb in the lecture theatres of Griffith University's Gold Coast Campus G39 building? None. Because Lin-Eng fabricated and installed their innovative light beams as part of this recent Hindmarsh construction project. Lin-Eng's intelligent design solution is a structural steel beam supported by stainless steel wire cables, capable of being lowered to floor level for maintenance, as the cables are run through a winch powered by an electric motor, and the whole controlled electronically.

"For a site like a lecture theatre with sloping floors and rows of inbuilt seating, this is both a major safety advance and saves time, as no seats need be removed to make way for ladders whenever light bulbs need changing," explained Lin-Eng Owner/Director Lindsay Mauger.

"There were four (4) light beams ranging from 11m to 8 m fabricated and installed, all independently engineer certified to the applicable lifting beam standards. We also undertook quality testing of the wire cable with the supplier's NATA calibrated test machine. The biggest site challenge was the need to tightly co-ordinate installation with other trades."

"Our light beams have been in demand, we have designed, fabricated and installed them for many projects, including the lecture theatres in the PA Hospital's new teaching wing."

The company's design and fabrication skills range from the manufacture of parts for washing machines and general one-off small engineering, to major on-site jobs. Recent works on the AAPT Building in Brisbane, saw Lin-Eng's crew and a 200 tonne crane working nights on weekends

building structural steel platforms, ladders and handrails in the middle of the street.

"We have a close relationship with many air-conditioning contractors, and specialise in the design and fabrication of platforms, ladders and hand rails for the installation of cooling towers and air conditioning systems."

Recent installations including multiple shopping centres across South East Queensland for Centro and Westfield, the Land Centre, for QUT and many power stations, sugar mills and mining operations - a crew is currently on-site at Ranger Mine in Kakadu. Lin-Eng are pre-qualified for Government projects, with a comprehensive management plan covering Quality and OH&S.

With 30 years of experience, and substantial workshop and machine shop facilities, equipped with 14 trade qualified fitters and turners, boilermakers, sheet metal fabricators, pipe fitters/plumbers, Lin-Eng are experts at turning bright ideas into solid steel.

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IMPRESSIVE JOINERY

A proudly Australian owned manufacturer of high quality joinery, City Joiners are proud to add the new Science and Engineering Building at Griffith University Gold Coast campus to their impressive portfolio of projects.

Known for their high quality specialty work the Toowoomba-based company manufactured and installed a range of joinery components on the project including the stainless steel units, leather seats, timber seats, reception, shelving, bookcases and chemical laboratories.

City Joiners have an extensive project and trading history with operations commencing in 1938 for specialty work on multi-million dollar projects in areas as diverse as health, education, government, entertainment, golf and RSL clubs, hotels and luxury homes throughout Queensland.

Recent projects including the Wesley Hospital and Gatton Veterinary Science facility reinforce City Joiners' reputation as a reliable contractor that you can count on to complete projects on time and on budget.



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Science and Engineering Building
 at Griffith University, QLD

