

A HIGHLY INTELLIGENT HUB

The \$50 million ANU College of Engineering and Computer Science and Mathematical Sciences Institute increases ANU's educational standards internationally, providing a modern teaching and learning environment for more than 800 staff and students. The new building consists of lecture theatres, computer laboratories, collaboration areas, meeting rooms, and a dedicated facility housing a government based client who will teach some of Australia's brightest youths

With an extensive history of collaboration with ANU, Hindmarsh was appointed as Managing Contractor for the new \$50 million ANU College of Engineering and Computer Science and Mathematical Sciences Institute.

Hindmarsh has successfully delivered several developments for the university and their familiarity with the client made them the ideal partner to undertake the project.

Boosting educational standards and providing for over 800 staff and students, ANU College of Computer Engineering and Mathematical Sciences Institute is a world class teaching and learning facility contained in one building, aimed at increasing Science, Technology, Engineering and Maths (STEM) capabilities.

Level 5 of the new building houses a facility to educate some of Australia's most advanced young adults, and the building overall

will perform as a research hub for overcoming future challenges in computing and mathematical science.

As noted by Project Manager Warren Fenwick, "the development showed strong buildability from the outset, with a typical concrete structure being complemented by a unique curtain wall façade. Perhaps the most unique element to the project is the feature stair, which was built offsite and lifted in via crane. Made of structural steel with timber cladding, it extends across all floors."

Other details include a unique façade curtain wall system which includes double glazed aluminium blades, and colour coded aluminium panels embedded with cyber code. Internally the building is finished with plasterboard, fire rated and smoke glazed walls, a grid ceiling, carpet tiles, loose furniture, and workstations, along with a considerable audio/visual requirement completed to a high standard of detail. The development included computer labs designed as teaching areas, desktop computers, projection screens and LCD TV's. Acrylic wall finishes were applied increasing writable spaces to meeting rooms and conference areas allowing for writing during discussion. The ground floor foyer is polished concrete which adds notable interest to the design.

The project's main challenge was the old chemistry building. Built in the 1960's the old chemistry building needed to be vacated for decontamination and asbestos removal prior to its demolition. Due to the building's age, it involved a substantial quantity of asbestos removal. Considerable effort was made by Hindmarsh to successfully relocate the existing users out of the building, prior to commencement of the Hazmat removal.

Hindmarsh have operated nationally for four decades with offices in Adelaide, Brisbane, Canberra and Sydney. The company, which promotes energy and commitment, have delivered over \$4 billion in projects to date. With over 130 staff their construction specialities span multiple sectors, from commercial and residential developments, to highly complex education and health facilities. Their capabilities in construction, development, retirement and capital have seen them working Australia wide with a high profile portfolio.

Hindmarsh's project portfolio stretches across sectors as varied as high rise residential, sporting, tourism, health and education. Aiming to be the leader in property and construction, the company present nothing less than ambition in their focus on complexity and innovation. Safety is at the forefront, and at Hindmarsh their system is audited to meet National and International Standards.

Other projects recently delivered by Hindmarsh include the striking St Christopher's Cathedral, in the Australian Capital Territory, which required close attention to the heritage significance of the Cathedral and surrounding precinct. This project was recently awarded the MBA Best Commercial Building \$20 Million to \$50 Million.

Also under construction are the contemporary Iskia residential apartments in Canberra, the Southern Cross Care Retirement Facility in New South Wales and a multi-storey apartment building in central Adelaide comprising 150 units. Noteworthy projects completed to date include the South Australian Health & Medical Research Institute, The Jefferey Smart Building at University of South Australia, and recently, over 1,300 student accommodation units across two Brisbane development sites. Hindmarsh have been the recipient of a multitude of construction awards, both MBA and AIB at State and National level.

For more information contact Hindmarsh, 65 Constitution Avenue, Campbell ACT 2612, phone 02 6129 1500, fax 02 6247 8898, email act@hindmarsh.com.au, website www.hindmarsh.com.au

DEVELOPER : Australian National University
BUILDER : Hindmarsh Construction
ARCHITECT : Clarke Keller
STRUCTURAL ENGINEER : Northrop Consulting Engineers
CONSTRUCTION VALUE : \$50 million

Below Super Rain provided their cranes to install the precast panels for the ANU College of Engineering and Computer Science and Mathematical Sciences Institute.



Below CTCI Waterloo completed the wet area joinery, including toilet partitions as well as showers for the End-of-Trip facilities for the project.

Canberra based company Super Rain installed the precast panels to the new ANU College of Engineering and Computer Science and Mathematical Sciences Institute (MSI). Proud owners of the biggest Crane in Canberra, a 2016 Liebherr 220 tonne VarioBase, Super Rain were in step with the project's upgrade in educational standards, ensuring all panels to the exciting new learning environment were installed using the most up to date principles of practice.

A relatively new company trading in cranes and rigging for 18 months, Super Rain's lifting capacity runs to 220 tonnes. According to company Director, Anthony Mattar, the project presented a great number of challenges which they successfully overcame. "We had to deal with large heavy panels, a congested site and fit a very large mobile crane into a tight space. We were able to do that due to the equipment we operate being equipped with the latest state-of-the-art technology enabling it to reduce its overall footprint without any adverse impact on performance or capacity."

For Super Rain, the key to their early success can be attributed to not only the latest equipment but also the interpersonal dynamics

of the team/client correspondence. Anthony Mattar says, building the business Super Rain "has been about fostering and enhancing relationships and partnerships with our clients."

Some other projects by Super Rain include Verve Apartments Newcastle, Denman Village, Mayflower Residential Aged Care Facility in New South Wales, as well as the University of Canberra Public Hospital Carpark and Luna Apartments in the Australian Capital Territory.

For more information contact Super Rain, 5 Nick Ellis Place, Hume ACT 2620, phone 0455 220 220, fax 02 6169 3206, email admin@superrain.com.au, website www.superrain.com.au

CTCI Waterloo recently undertook the contract for wet area joinery at ANU College of Engineering and Computer Science and Mathematical Sciences Institute (MSI). The task of CTCI was to provide and install all associated toilet partitions as well as showers to the building's End-of-Trip facilities.

"The project was well managed. Hindmarsh are a very professional organisation and extremely good to work with. Waterloo were very pleased with the project's development from the start to finish," said CTCI Waterloo Sales Manager, David Norris.

Using Waterloo's Quintrex, a blade mounted partitioning system, in the toilets and Windsor full height shower unisex systems in the End-of-Trip facilities in conjunction with Laminex Compact Laminare 13mm, CTCI Waterloo installed toilet partitions and showers which promise high performing value. Blade mounted with an overhead brace, their features include an anodised aluminium wall floor fixtures and headrails, stainless steel fixings, U-shaped channels, and snap headrail inserts. The system also comes with a lifetime installation warranty.

Considered the leaders in wet area partitioning and locker systems, CTCI Waterloo manufacture out of Bathurst. Their product range

includes shower and toilet partitions, change room furniture and electronic lockers, outdoor furniture, school furniture, lab benches, wall linings and café furniture most suited to wet, humid and dry commercial fitouts. Aesthetically attractive and easy to install, CTCI Waterloo also offer their products as flat packs with instructions and all required components for self installation. Their range is constantly updated to market standards meaning there are always new systems and board colours arriving.

Other projects being under taken by CTCI include ANU Canberra, University of Sydney FASS & RD Watt Buildings, University of Sydney Regiment Building, 100 Mount Street, North Sydney, 4 Murray Rose Drive, Sydney Olympic Park, Pennant Hills and Strathfield Golf Clubs.

For more information contact CTCI Waterloo, 8 Watt Drive, Bathurst NSW 2795, phone 02 6334 3222, fax 02 6334 3225, website www.waterloosystems.com.au



ANU College of Engineering and Computer Science and
Mathematical Sciences Institute, Australian Capital Territory

Below 45dB completed the sound conditioning systems
for ANU College of Engineering and Computer Science
and Mathematical Sciences Institute.



Already well established as Australia's most respected designers and suppliers of what is now known as Sound Conditioning, 45dB Systems make yet another appearance, this time at ANU College of Engineering and Computer Science and Mathematical Sciences Institute (MSI). For 45dB this means acoustically controlling an extremely social environment.

According to 45dB Systems Director, Tom Hardy, the success of the project can be greatly attributed to Jamie Hladky of WSP in Canberra. By using 45dB's system WSP have created a new, less expensive yet more effective acoustic solution. Normally, to ensure acoustic privacy between rooms, partitions are built 'slab to slab' meaning the walls are built from the floor, through the suspended ceiling to the slab above. Building above the suspended ceiling in this way is difficult, expensive and often ineffective. By combining sound conditioning with a particular ceiling tile this solution ensures privacy while using a simple floor to suspended ceiling construction. ANU have made significant savings on this project while leaving the space above the suspended ceiling free for the services for which it was intended.

45dB Systems have noticed the traditional methods of acoustic fitouts is disappearing as consultants realise the benefits and savings

of building an acoustic 'foundation' with sound conditioning. "There is plenty of data out there now to show how much poor acoustics impact on productivity and worker well being. The International Well Building Institute recommend sound masking technologies as a comfort feature."

45dB Systems are Australia's sole distributors of the world's leading sound conditioning technology from SoftdB. Their projects include the Barangaroo International Towers for customers including Westpac and Lendlease, Suncorp's 10 Shelley Street and CBA's Darling Square are testament to this changing tide in workplace acoustics.



For more information contact 45dB Systems, phone 1300 494 791, email info@45db.com.au, website www.45db.com.au