

TP Dynamics is committed to taking Canberra – the largest and fastest growing inland city in Australia - to the next level over the coming decades.

The Dickson Village project provided the perfect opportunity for TP Dynamics to redevelop a project that had been dormant for nearly 8 years, when they purchased the site early in 2021.

"Dickson Village is being developed on Block 21 Section 30 Dickson in the Dickson Group Centre," said Project Manager Kenneth Kong.

"The site comprises the car park opposite McDonalds, Woolworths and the Dickson Library in Dickson Place and is bounded by Antill Street and Badham Street on the north western side, and by Dickson Place on the south eastern side."

Thanks to previous iterations, the design was in place and already approved. The existing car park had been servicing Woolworths.

"This project will solve the ongoing parking issue for residents in Dickson," said Kenneth. "With mainly street parking options currently available, this build will deliver two levels of basement parking accommodating approximately 450 vehicles, substantially improving access to the precinct and greater convenience for shoppers."

Dickson Village significantly enhances the existing Dickson group centre. The development includes a Coles supermarket and Liquorland on the ground floor plus additional retail opportunities to service the growing Inner North neighbourhood.

Situated above the ground floor commercial is a single level of secure parking for the residential apartments. Completing the development

will be 140 residential apartments over 5-levels facing Antill Street and a landscaped podium at Level 2.

Dickson Village will create a vibrant new precinct linking the existing Dickson Group Centre with major parking, retail and residential facilities. The mixed-use precinct has been thoughtfully designed to create a new central plaza for Dickson, ensuring ease of pedestrian movement between the existing Dickson Square precinct and Library.

TP Dynamics, established in 2011 by Managing Director Tony Pan, has expanded its focus from single-dwelling residences to encompass townhouses, mixed-use precincts, and urban revitalisation projects.

"We bring people together to create spaces that make life better. Through technology and talent, we transform," said Kenneth. "We are part of the Canberra community and strive to make a meaningful contribution to our city's future."

From projects that revitalise existing communities and precincts to building new urban villages for the next generation, TP Dynamics strives to make a meaningful contribution to life in the evolving bush capital.

Currently, TP Dynamics is engaged in transformative projects at Dickson Village and Yowani Grounds, reflecting their ongoing dedication to innovation.

For more information contact TP Dynamics, Level 3, 56/11 Thynne Street, Bruce ACT 2617, phone 02 6154 8900, email admin@tpdynamics.com.au, website www.tpdynamics.com.au

38 ACT PROJECT FEATURE **DICKSON VILLAGE** AUSTRALIAN NATIONAL CONSTRUCTION REVIEW WWW.ANCR.COM.AU ACT PROJECT FEATURE **DICKSON VILLAGE** 39



The Dickson Village project is the biggest single project Hi-Quality Concrete has undertaken to date, with over 18,000m³ of concrete delivered to site. Using a modern fleet of Kenworth T360 trucks combined with experienced staff Hi-Quality Concrete got the job done – despite the odd challenge or two.

"Access to the site and the overall size of some of the pours provided some challenges," said General Manager, Mark Dawes. "Added to that was the variety of mixes typically required by large commercial projects like Dickson – in the end we supplied over 40 unique mixes."

While the project saw Hi-Quality Concrete on site across a full year, most of the pours took place during Canberra's cold winter months. "To keep the program on track, we used in slab maturity sensors to determine the temperature and strength of the concrete in real time. The use of the sensors can reduce cycle time between concrete pours by days, leading to weeks saved over the total project," said Mark.

As the newest ready-mix supplier in Canberra, Hi-Quality Concrete has already established a reputation as the supplier of choice thanks to their green credentials – in 2022 they became the first plant in Australia to offer carbon-embedded fresh concrete. Hi-Quality Concrete

has worked with CE Construction Solutions to install Canadian technology, CarbonCure, into their batching system. The process takes captured CO_2 emitted from other industries, and injects it into fresh concrete to reduce its carbon footprint without compromising performance. Once injected, the CO_2 undergoes a mineralisation process and becomes permanently embedded in the concrete.

"As an independent, our ability to be agile and provide our customers with unique ways of mitigating their environmental impact is something we hope to continue to develop," says Mark.



For more information contact Hi-Quality Concrete ACT Pty Ltd, 14 Tennant Street, Fyshwick ACT 2609, phone 02 6152 8510, email admin@hqconcrete.com.au, website www.hqconcrete.com.au

• hqconcrete

Commence Communications were contracted to locate services prior to excavation works at Dickson Village. This involved a process of identifying and marking the underground utility lines and services present in a specific area before any excavation or digging took place, to prevent accidental damage to essential infrastructure such as water pipes, gas lines, electrical cables, or telecommunication networks.

"We were able to use the latest radiodetection gear for this job," said Director, Jeff Wullaert. "The RD8200 locators are ideal for congested underground infrastructures." When a transmitter can't be connected, tracing individual power lines through dense networks can be a real challenge. Conflicting or powerful signals confuse or combine to create a wash of signal. A single key press enables the use of the harmonic properties of power signals to establish if a signal comes from one source, or from multiple cables which you can then trace and mark.

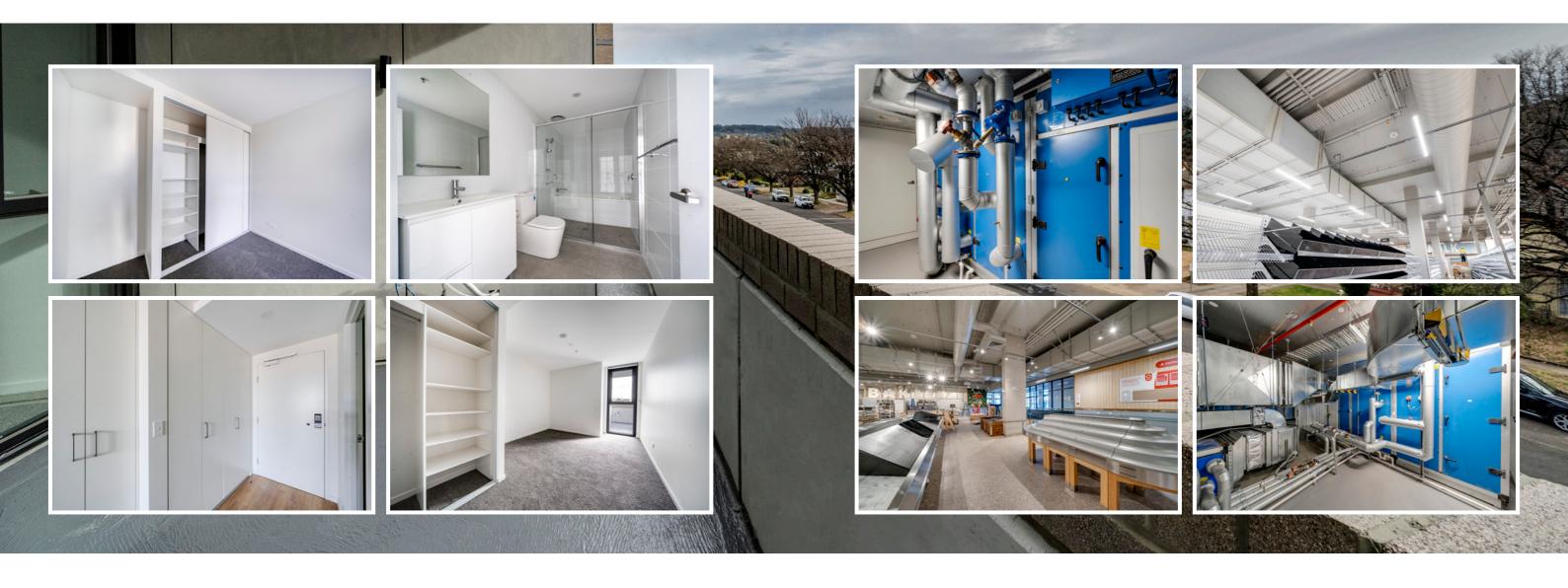
"We also used Ground Penetrating Radar (GPR) Utility Scan DF which incorporates an innovative dual-frequency digital antenna (300 and 800 MHz) and an easy-to-use touchscreen interface to view shallow and deep targets simultaneously in a single scan," said Jeff.

Commence Communications provide civil communications services in Canberra and the surrounding regions, including Yass Valley. The family owned and operated company has over 20 years experience in underground service locations and project management of civil communications projects of any size. "We provide service locating from residential utility services on private homes to large scale commercial building sites," said Jeff. "We recently located a large section of all services along the proposed Canberra Light Rail project."

Commence Communications has three Before You Dig Australia accredited service locators who can locate all services including Telstra and Optus in both fibre optic and copper cables, and regularly provide underground service locating for builders, plumbers, landscapers, local councils and the government.

Commence Communications own their own Hydro-Vac and various sized excavators and are experienced in managing and installing new communications network projects.

For more information contact Commence Communications, phone 02 6226 3869, email admin@commencecomms.com.au, website www.commencecomms.com.au



Get Built Wardrobes and Showers is Canberra's most trusted and reliable supplier and installer of shower screens, bathroom panels, wardrobe doors and internals, walk-in-robes, linen cupboards, as well as mirrors and splashbacks.

Responsible for the manufacture and installation of all the wardrobes, shower screens, mirrors and bifold doors for all of the apartments in the Dickson Village project, the locally owned company prides itself on their service and products, turning wardrobe and bathroom dreams into reality.

The team can help ensure you're getting the most out of your space and walk you through the various inclusions such as adjustable and fixed shelving, draw units, baskets, pull out shoe racks and then fit your double and single hanging rails around those.

"We build the Rolls Royce of shower screens," said Dean. "Using 10mm clear toughened glass, the frameless screens make every bathroom look amazing."

Available in a single panel or with a hinged door, the frameless screens are custom cut to each individual bathroom for best results.

Hinges, channels, wall brackets and handles come in a range of over 20 colours, so there will always be a colour to suit your tapware and bathroom palette.

"A team of three worked on this project," said Managing Director, Dean Wolf. "The manufacturing and installation process is quite quick. The challenge is in managing these aspects in terms of the construction timetable and waiting for each level to become available for installation in the program."

"The location of the site created some obstacles in terms of access and traffic management," said Dean. "However the coordination was well-managed from our perspective."

For more information contact Get Built, PO Box 43, Mitchell ACT 2619, website www.getbuilt.com.au

Airmaster is an award-winning building services company, providing HVAC&R management, smart building solutions and fire services across Australia, New Zealand and South-East Asia.

As the mechanical contractor for the Dickson Village Project, Airmaster delivered the ductwork manufacture, installation, BMS installation, mechanical plumbing, refrigerated AC installation, pipe lagging/insulation as well as the procurement of all mechanical equipment.

"These trades were subcontracted to Airmaster to carry out the works in their field," said Project Manager, Stewart Wardrop. "Airmaster staff carried out the project management, engineering and site management."

In the majority of HVAC projects the services are installed above the ceiling and are not visible. That was not the case for this project.

"The installation of the services on the trading floor required high attention to detail as it was all exposed," said Stewart. "The ductwork on the trading floor was also quite large – some sections of the smoke exhaust are $2.7 \text{m} \times 1.45 \text{m}$, due to the height of the soffit, these sections were hung using a forklift."

The building also required all services to be seismically braced, this was particularly difficult in congested areas where there are several services. Airmaster worked through these challenges with a seismic engineer to overcome the issues and meet the certification requirements.

"The majority of the air handling equipment on the project utilised high efficiency EC fans. During COVID, any HVAC equipment that included an EC fan was very hard to get due to the PCB shortage," said Stewart. "All of the equipment for this project was ordered well in advance as we anticipated the long lead times, the equipment was all delivered on time and there have been no delays related to procurement from Airmaster."

As a leader in the building services industry, Airmaster prides itself on delivering sustainable, cost effective and energy efficient products, services and solutions.

For more information contact Airmaster, Ground floor 139 Canberra Avenue, Fyshwick ACT 2609, phone 02 6126 9800, website www.airmaster.com.au

