

700 BOURKE STREET

700 Bourke Street is the epitome of contemporary design and innovation.

Situated adjacent to Southern Cross Station and one of Melbourne's premium sporting and entertainment venues, Etihad Stadium, the 700 Bourke Street build is regarded as an architectural centrepiece and the new gateway to the city's Docklands precinct.

Designed by renowned architects this 16-level, 63,000-square-metre iconic building is a mixed use development incorporating retail and office components. The building also includes a childcare centre, auditorium, tranquil outdoor terrace and parking for cars and bicycles across two podium levels.

This iconic building's unique design, its integration of the latest environmentally sustainable technologies and its sheer architectural significance ensures that 700 Bourke Street is set to become another landmark development within Melbourne's superb CBD landscape.



A BRIGHT FUTURE

Established as a private business almost 25 years ago, 2005 saw the beginning of a corporate takeover for D&E.

It was in February 2011 that the Hastie Group encountered financial difficulties resulting in a trading halt. This culminated in May 2012 with administrators moving in.

During the first week of administration, the former General Manager of D&E, Greg Andrews, following successful negotiations with the administrators, secured the company, including the name D&E Air Conditioning.

A reason for the decision to purchase D&E was the businesses solid relationships with its broad client base, for example with Brookfield Multiplex and the 700 Bourke Street project, which was in construction at the time of administration.

"In wanting to rebuild D&E I felt it was necessary to ensure that all creditor payments were honoured as well as maintaining staff retention, staff entitlements and continuity of years of service. Many members of the staff had been with D&E anywhere from one to 20 years, some never working anywhere else, which is a credit to the company," explains Greg.

In addition to settling the creditor payments totalling over \$8 million, the new D&E Air Conditioning renewed all minor, major and Geelong regional contracts. The company also commenced a service division from day one.

Just one week after the corporate collapse it was business as usual for D&E's customers and projects.

"D&E continues to build upon its reputation for professionalism, expert quality, timely delivery and the capacity to always get the job done. Our goal is to maintain our position as the leading mechanical services contractor in the industry" says Greg.

"As a company, we constantly embrace new technologies and are dedicated to our people and culture, including nurturing the best talent available. What's more, our staff are not only experienced, but enjoy what they do and consistently strive for excellence.

All of this has enabled D&E to enjoy a strong position within the industry, including as trusted professionals who focus on working with our clients at every stage of a project," Greg adds.

DESTINED FOR SUCCESS

Along with a number of other commercial projects currently underway, D&E were awarded the mechanical services on the \$1 billion Victorian Comprehensive Cancer Centre (VCCC) development – the biggest project in D&E's history.

Currently in progress, the VCCC project has reinforced D&E's reputation as the specialists in installations for the pharmaceutical industry, hospital and laboratory environments.

Other medical projects for the company include the Melbourne Brain Centre, the Epworth Hospital, Werribee Mercy Hospital expansion, and high-level chemical and biological research laboratories at Deakin University.

D&E also continue to work on a number of commercial retail and apartment developments across the construction industry.

These projects include the \$30-million redevelopment of the premiership stand at Geelong's Skilled Stadium, RACV's \$95-million resort facility in Torquay, a 24-level office refurbishment in Collins Street, library refurbishments at Australian Catholic University and Deakin University, the Melton Library and Learning Centre, and a number

of new residential apartment blocks in and around Melbourne.

KEEPING THE GREEN LIGHT BURNING

D&E know how to meet the green demands of projects, no matter how complex. The company's in-house Green Star and NABERS accredited technicians and engineers have delivered many of Melbourne's energy rated developments (from design to operation) with lower environmental impacts.

This includes 181 William Street, MyerC9 Docklands, 550 Bourke Street, 40 Albert Road, Southern Cross East and West Towers and the new NAB offices at 700 Bourke Street.

D&E has also delivered 5 star Green Star education design at the Melbourne Brain Centre and RMIT University's Design Hub.

Through ongoing maintenance, servicing and tuning of heating, ventilation and air conditioning, and building management systems, D&E ensures that a building's green targets continue to be met - and exceeded - post construction.

Ensuring clients get the greatest return on their investment, D&E has an expert, hands-on service team for both existing buildings and post-construction phase new builds, and offers full life-cycle support.

David Lambert - Estimating Manager



(Left to Right): Greg Andrews, Chris Trevena, Colin Way.



(Left to Right): Directors - Brad Alexander, Colin Way, Greg Andrews.





Rohan Waters -
Construction Supervisor

D&E AIR CONDITIONING DELIVERY OF A GREAT PROJECT



Providing unequalled air conditioning and mechanical services within Australia and beyond, D&E Air Conditioning's commitment to exceptional service and quality solutions has seen the company continue to be at the forefront of the industry.

From the largest hospital, office and shopping centres, through to the smallest tenancy modification, D&E has the experience and expertise across a wide range of industries and project sizes.

With such large-scale and specialised projects under its belt, D&E Air Conditioning was the obvious choice when it came to the 700 Bourke Street development.

Project Manager Kelvin Richards explains that 700 Bourke Street was one of the largest jobs undertaken by D&E to date, with an extremely fast construction program.

"Our site's labour peaked at approximately 200 guys, including office, site and D&E subcontractors. This also meant a significant overlap between the engineering, drafting and construction phase.

"The 700 Bourke Street building is a passive chilled beam system with a chilled water central plant to produce high and low temperature water serving chilled beams and air handling units respectively," Kelvin adds.

"Air handling units were provided with full humidity control to avoid condensation on the chilled beams. Reheating for air handling units was provided by condensor water and reclaimed heat from the cogen plant."

Heating around the façade was via fintube and trench heaters, while a very detailed and complex metering system was included with the controls to ensure accurate measurement and tracking of the required NABERS rating.

ESD Manager James Hattam said, "We are aiming to achieve a 5 Star NABERS Energy rating as well as a 6 Star Green Star Office rating"

Using Building Information Modelling (BIM) design tools, D&E modelled the Level 15 central plant in the design program Revit for the company's co-ordination and pipe prefabrication.

Trimble Robotic Total Stations (RTS) as well as Trimble MEP (mechanical, electrical and plumbing) layout and Trimble Point Creator software were also used to set out hanger locations and equipment, including prefabricated modules for the project.

"We purchased the Trimble RTS and the other software specifically for this job. We knew we'd have thousands of hangers throughout the building and we believed that the Trimble technology could help us with speed and accuracy. We achieved both," explains Site Manager, Laurie Rogers.

The availability of permanent power at the end of projects always puts pressure on commissioning resources. To overcome this, the project team thought ahead in pre-planning and identified commissioning as the key to on time completion of the project.

D&E then chose to pre-commission by using temporary fans and pump rigs from temporary powerboards for the installation. This resulted in the majority of air and water systems being balanced on floors as the pipe and duct systems were completed.

"This process of balancing from temporary rigs meant the commissioning at the end of the project was significantly reduced when the central plant became available," adds Laurie.

As a company D&E deliver on what they start and they constantly embrace new technologies, they are dedicated to their people and culture, including nurturing the best talent available. They are proud to have successfully delivered this project in record time and are continuing to work on various other projects (big & small) in and around Melbourne and Regional Geelong.

For more information contact D&E Air Conditioning, phone (03) 9751 4222, Level 1, 11 Corporate Avenue PO Box 2010 Rowville, VIC 3178, email: colin.way@de-air.com.au, website: www.de-air.com.au



(Left to Right): Jason Fallon - Site Foreman,
Nick Bolton - Site Foreman,
Rohan Waters - Construction Supervisor,
Kelvin Richards - Project Manager



(Left to Right):
Rohan Waters - Construction Supervisor,
Kelvin Richards - Project Manager

A LEADER IN THE INDUSTRY

Established more than 40 years ago, Australian Native Landscape Constructions (ANLC) is one of the leading commercial landscape construction companies in Australia. ANLC offers its clients a full range of landscape and civil construction services, including design, construction and maintenance. It is ANLC's ability to consistently deliver high-quality projects on time and budget that has contributed to the company's long-term success.

"We have always prided ourselves as being a hands-on company from Directors, Project Managers and Foremen, ensuring a dynamic and creative culture in our business with proven results," Managing Director of ANLC James Thomas said. "Our company's strength is providing clients assistance in the design and value management stages through the tender process to ensure the most economical, efficient and sustainable methods are used, and then tailored specifically to meet each individual project's needs."

ANLC also prides itself on being the industry leader with dynamic and innovative processes in landscape construction. ANLC's qualified, experienced staff are employed in both hard and soft landscaping and all have a strong focus on attention to detail.

"We currently employ 70-plus staff between our combined divisions. This gives us the capability and strength to complete projects valued at up to and over \$10 million," James added.

Working with a diverse range of major clients and builders, ANLC undertakes projects across a variety of sectors, including government, commercial, industry, multi-residential, retail precincts, sports centres, estates, schools and more. The company's involvement with the 700 Bourke Street project has also showcased the diverse capabilities of ANLC and its staff.

In addition to the City of Melbourne civil works to both Bourke Street and Wurundjeri Way at Melbourne's Docklands precinct, ANLC completed works on Level 2 of Etihad Stadium's concourse, including asphaltting, concreting and construction of feature in-situ concrete terraces, custom street furniture, planters, feature gardens and timber decks.

The showcase of the 700 Bourke Street landscape works is on Level 14. Here ANLC installed a rooftop landscape to the outside terrace for National Australia Bank workers. This tranquil rooftop garden, which was Feng Shui-inspired, was designed by Hassell Landscape Architects to complement the building's multi-coloured kite-shaped design and incorporates an endemic green roof with bluestone and granite flagstone paving, timber decking, custom furniture, hanging baskets and bamboo plants. The terrace also features an outdoor kitchen complete with a herb garden and meals area. The endemic garden roof was a contributing factor to the building achieving a 5 star green rating. At its peak, around 50 ANLC staff worked on the 700 Bourke Street project, which required an extremely high level of project management and co-ordination, due

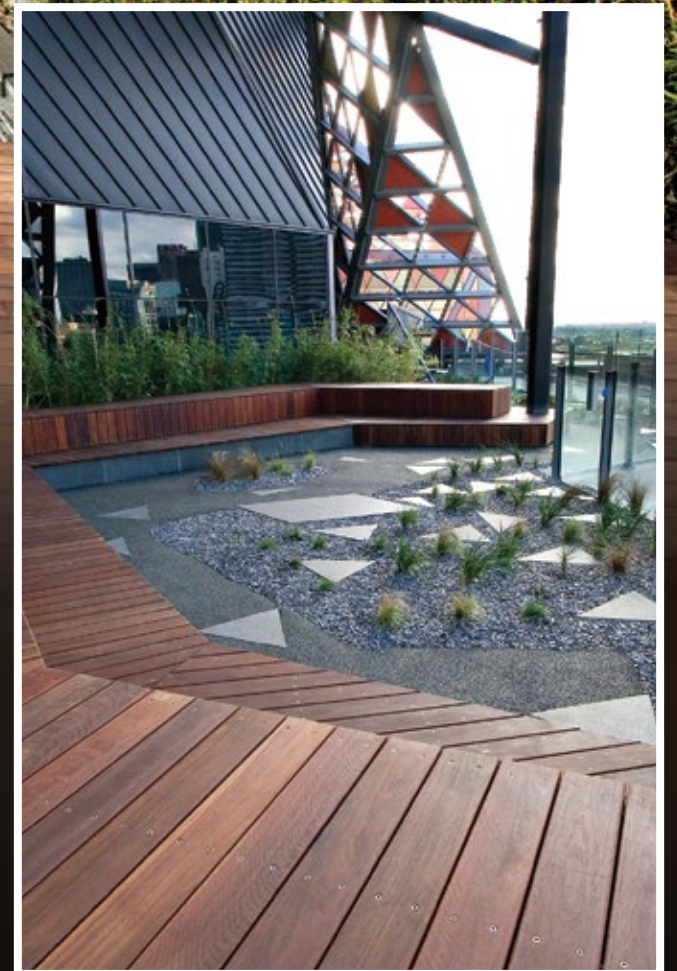
to the myriad complexities involved such as challenging design, limited access, associated trades and Etihad Stadium's events' calendar, in which pedestrian access was required to works areas during events.

ANLC's extensive contribution to projects across Melbourne means you can see any number of the company's exceptional landscape construction works across various recognisable landmarks.

This includes the new Royal Children's Hospital, Chadstone Shopping Centre (all construction stages over the past 25 years), Highpoint, Northland and Watergardens Shopping Centres, Yarra's Edge Tower 8, 33 Mackenzie Street, the National Ice Sports Centre, Flemington Racecourse and the Australian Army Defence Force Signals to name just a few.

ANLC's position as a leader in the industry has also been formally recognised through its winning of numerous awards including Landscape of the Year, Commercial Landscape of the Year (2011), Landscape Management of the Year and Landscape Maintenance of the Year. The company is also compliant with the National Code of Practice for the construction industry and is a long-term member of Landscaping Victoria.

For more information contact Australian Native Landscape Constructions Pty Ltd, 10 Oaklands Avenue Ferntree Gully, VIC 3156, phone 03 9758 2580, fax 03 9758 0810 email: info@anlc.com.au, website: www.anlc.com.au





RICHSTONE GROUP - MORE THAN JUST PLUMBING

Not only was the installation of the cladding for 700 Bourke Street complex, the building's entry and its unique design also posed a significant challenge for Richstone Group's roof and cladding division. "The aluminium composite cladding to the internal walls on Level 14 and to the Bourke Street entry had a high degree of difficulty," Richstone Group Project Manager Sam Goldberg explained.

"The panels for Level 14 were prefabricated offsite and installed using an aluminium split batten system. One elevation was installed on a rake over a 14-storey void, which proved very challenging.

"As the design was far from conventional, the Bourke Street entry was also very challenging. The soffit and roof panels were broken up into facets. Each facet was then individually shop drawn and was manufactured offsite before installation."

Richstone Group also installed the Colorbond metal deck roof to the plant room on Level 15, including the atrium and the stainless steel box gutter system. The company also installed aluminium cladding to the plant room walls.

"The high-level plant room cladding which consisted of a sub-frame, insulation, plywood and aluminium panel was also difficult with

many directional changes. Some walls were projected out four to five metres," Sam added.

Not only did Richstone Group complete the cladding and roofing for the 700 Bourke Street project and the building's distinctive entrance, the company also delivered the plumbing for the build, including the inground plumbing services, base building works and internal fitout.

"This was certainly a unique project for Richstone, it gave us the ability to showcase the level of detail we can deliver, the entrance is a great example," Richstone Group Director Hayden Richardson said.

Up to 40 of Richstone Group's employees worked on the Bourke Street build, led by Senior Site Foreman Des Miller.

"We had around 18 plumbers and 20-odd guys working on the cladding and roofing," Hayden added.

Having been in business for 10 years, Richstone Group got its start when Hayden and Shannon Egglestone meet as apprentices. The two, who at the time were working for smaller companies, decided to start their own



plumbing company. Today the company has 120 employees and has expanded beyond just offering plumbing services.

In fact, pinpointing this company's specialty is a challenge. The question is - what doesn't Richstone Group specialise in?

It is the multi-disciplined capabilities of this company that has seen Richstone Group complete projects for developments on a world stage. This includes the delivery of the iconic roof for Melbourne's AAMI Park, the hydraulics for the Pixel Building by Grocon, Melbourne Water headquarters and the roof and cladding for the impressive RMIT Swanston Academic Building.

Richstone Group is also currently completing works for Margaret Court Arena at Melbourne Park, the 225-store retail development Emporium Melbourne and 720 Bourke Street (next door to 700 Bourke Street).

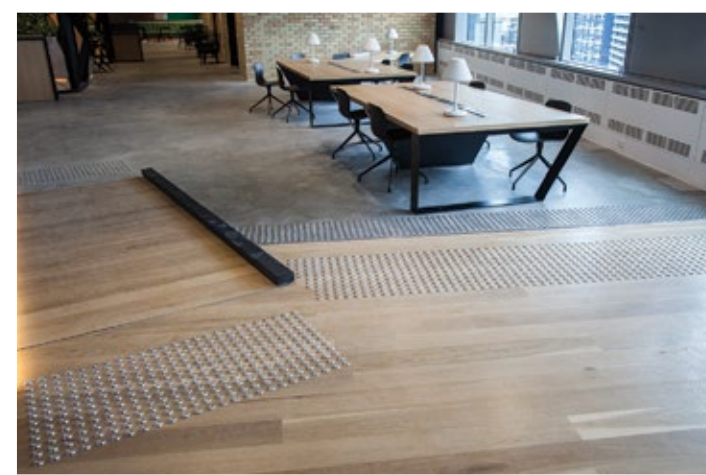
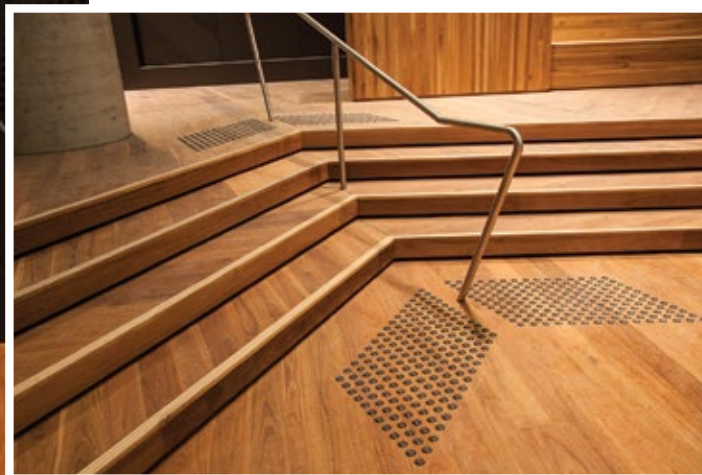
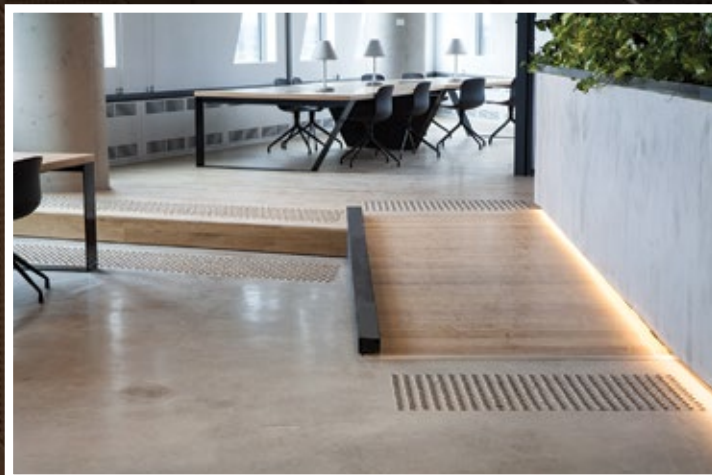
The company also brings with it a commitment to environmental sustainability. The Pixel Building was a zero-footprint development, while

700 Bourke Street also set out to achieve a 6 Star Green Star rating for its base building.

This commitment is further cemented by Richstone Group's slogan - "making a difference through plumbing sustainability".

Richstone offers more than a traditional plumbing company. You only have to look at the delivery of projects to date.

For more information contact Richstone Group, PO Box 365 Somerton, VIC 3062, 17B Nathan Drive Campbellfield, VIC 3061, phone 03 8339 3777, fax 03 8339 3788, email: info@richstonegroup.com.au, website: www.richstonegroup.com.au



DTAC - ARCHITECTURAL FLOOR TACTILES, STAIR TREADS AND EDGING SOLUTIONS

For more than a decade, DTAC Pty Ltd has been the trusted name in the design, supply and installation of tactile indicators and now stair treads and edging.

Comprising a team of technical support staff and highly trained contract installers, it is DTAC's attention to detail and their specialist knowledge that sees architects, designers and builders choose DTAC to meet the tactile, stair and tread edging compliance requirements, from the smallest to the largest iconic developments in Australia.

In addition to meeting the mandatory compliance, DTAC's products also offer visual appeal.

"DTAC pioneered the architectural floor tactile industry in Australia taking a utilitarian product and transforming it into a feature that compliments the structure. DTAC now deliver the most aesthetic NCC-BCA compliant solutions available," explains DTAC Operations Manager Michael Moulding.

Through its trained experts and certified tactile and edging installers, the company provides services across the nation.

"All our installers go through an 18-step accreditation process before going onsite," Michael adds.

"Therefore our clients can be assured that our DTAC trained contractors have the expertise and knowledge when it comes to the compliance and overall aesthetics of tactile and edging installation."

Offering a comprehensive range of tactile products, the company designs and crafts their products to DTAC design certification as well as Australian standards. The products also conform to the National Construction Code and Disability Discrimination Act (DDA) requirements.

When it came to the 700 Bourke Street development, the company installed their classic stainless steel tactiles in the foyer of the NAB building. A last minute change to the substrate meant a DTAC polyresin tactile tile was required for the landings of the building's stairwells.

"As a company, we are able to work with these last-minute alterations. As with any work plan, there can be changes to the flooring, and working in with these changes is part and parcel of what we do," Michael explains.

"For the 700 Bourke Street project we had a total of four staff working onsite, including installers," Michael adds.

DTAC also installed classic stainless tactiles and polyresin tactiles throughout the public roof top terrace, podium, car park and surrounding streetscapes.

Now a member of the Raven Products Group, DTAC will continue to provide their expert services across a range of developments throughout Australia, including building entries and open spaces, stairs, kerbs and ramps, escalators, bus stops, landings, inclines, anti-skateboard tactiles and more.

In addition to 700 Bourke Street, the company can count the Melbourne Recital Centre, Ericsson Victoria Harbour, Sydney's Cook and Phillip Park, the Subiaco Arts Centre and Tasmania's Museum of Old and New Art (MONA) among its long list of major projects.

DTAC also provides custom designs, such as the installation of custom stair edging for the Now and When Australian Urbanism exhibition at the 2010 Venice Architecture Biennale.

As innovators in their industry and the world, the company continues to strive for excellence in their design and craftsmanship.

To find out more about the range of products and specialty services that DTAC can offer for your next development, visit www.dtac.com.au or call 1300 793 478.

For more information contact DTAC Pty Ltd, Unit 4/11-12 Phillip Court Port Melbourne VIC 3207, phone 1300 793 478, fax 1300 780 628, email: sales@dtac.com.au, website: www.dtac.com.au



DECADES OF EXPERIENCE

With more than three decades' experience across major projects, independent property development consultant and project management expert **Project Planning and Management (PPM)**, have overseen the development of many of Melbourne's landmark buildings. This includes the Rialto office and hotel, Telstra's headquarters at 242 Exhibition Street, ANZ Bank's global head office in Queen Street, Holden's headquarters at Fishermans Bend, the Herald and Weekly Times building redevelopment, the New Quay residential precinct at the Docklands and the CBW office development at the corner of Bourke and William Streets.

With expertise across all segments of the property industry, PPM now adds 700 Bourke Street as another prominent development to their impressive portfolio. Working closely with Cbus Property to attain the National Australia Bank as sole tenant for the building, PPM also project managed the design and construction of the building as well as integration of the bank's tenancy fit-out of the building.

PPM director Duncan Scott, who led the five-person project team from commencement to completion, explained that the 700 Bourke Street site, which will also deliver Australia's largest chilled beam office environment, posed some challenges. "Constructing one of the largest commercial office developments in Melbourne within such close proximity to the Etihad Stadium, the irregularly-shaped

site with restricted access and the issues of crowd management and construction logistics were key factors in developing the delivery strategy within strict time and cost constraints," he said. Duncan was also instrumental in assisting Cbus to win the bid for NAB's tenancy, obtaining town planning approval and developing the fast-track design and construction strategy, enabling the project to be completed early.

PPM continues to work on an array of existing projects, including Medibank's Melbourne headquarters, the Hunt Club Shopping Centre in Cranbourne, Abbotsford's Riviere Apartments, Australian Unity's aged care facility in Carlton and numerous other residential, aged care, retail and commercial projects.

For more information contact Project Planning and Management Pty Ltd, Level 2, 15 Park Street South Melbourne VIC 3205, phone 03 9699 5200, fax 03 9699 5077, email: duncans@proplan.com.au, website: www.proplan.com.au



BUILDING BETTER STRUCTURES WITH FORM700

For such a distinctive construction as 700 Bourke Street only the very best, most experienced sub contractors were sought.

And there is none as experienced on big builds as Form700 Pty Ltd. This company continues to employ ground-breaking methods and work practices to ensure structures are completed faster, safer and at a competitive cost.

Whether it's commercial, industrial or high-rise residential structures, Form700 has a significant history of working on and helping to deliver first-class projects across Australia. This includes a number of landmark buildings in Melbourne.

Among these high-quality builds is the Melbourne Convention Centre and South Wharf Development with current projects Medibank 720 Bourke st, the 70 story Prima Pearl, My80 & New Royal Adelaide Hospital which is currently the biggest project in Australia.

Incorporated just over 10 years ago, Form700 Pty Ltd has over 900 employees across Victoria, South Australia and Western Australia, and is involved in projects across the private and public sectors.



The company's skilled workforce includes project managers, engineers, forepersons, site administrators, concreters, scaffolders, carpenters, leading hands, crane drivers, building labourers, steel fixers and more.

Form700 also provides a range of works and services including formwork, reinforcement supply and fix, post-tensioning supply and installation. It also offers concrete supply, pumping and replacement, concrete lift core construction, structural safety screens and supply of other self-climbing systems. By the end of 2014 Form700 would have completed 3,550,700m² (GFA) since 2002. An ability to handle all aspects of a job adds to this quality company's exceptional, professional service and sees Form700 continue to be in demand on major construction projects.

FORM700

For more information contact Form700 Pty Ltd, 68-76 Drake Boulevard, Altona, VIC 3018, phone 03 8331 7100, fax 03 8331 7150, email: info@form700.com.au, website: www.form700.com.au



SUSTAINABLE WATER SOLUTIONS

Aquacell has installed a new energy-efficient blackwater recycling system in National Australia Bank's D2 campus at 700 Bourke St Melbourne.

The Aquacell water recycling system is integral to the building achieving a 6 Star Green Star rating and a 5 Star NABERS rating which were crucial to the National Australia Bank's environmental sustainability goals. It is Aquacell's most energy efficient plant to date, reducing consumption through multiple design innovations to less than half that of previous designs.

This is consistent with Aquacell's leadership in decentralised water solutions, with a relentless focus on reliability and commercial viability.

The blackwater treatment system will recycle 85,000 litres of wastewater each day. This is equivalent to an Olympic swimming pool of water every two weeks. It uses Aquacell's multi-stage process. The system engineered, manufactured, installed and operated by Aquacell, using propriety technology to produce Class A recycled water.

The plant is in a dedicated room in the underground basement. The storage tanks are also Aquacell's proprietary space efficient design. The recycled water will be used for toilet flushing and cooling towers.

The latest design has been recognised by the International Living Future Institute for its sustainability credentials. Aquacell is the first Australian company and the world's first water treatment technology to be recognised by this leading organisation. Criteria include total life-cycle viability and recyclability at end-of-life, as well as the use of low-impact materials of construction.

Aquacell has extensive experience in the regulatory requirements, design, manufacture, installation and ongoing management of waste water for on-site re-use. Aquacell water recycling systems offer long term cost savings and can be incorporated into the design of new buildings and developments, or retro-fitted into many existing buildings. Aquacell specialises in systems for commercial, governmental and multi-dwelling developments, enabling builders and developers to contribute directly to future water security. Aquacell's technology is being increasingly found in iconic projects, such as 1 Bligh St, Sydney and PNC Plaza in USA.

For more information contact Aquacell Pty Ltd, 1/10B Production Place Penrith NSW 2750, PO Box 7091 Leura NSW 2780, phone 02 4721 0545, fax 02 4721 2761, email: info@aquacell.com.au, website: www.aquacell.com.au



CONSTRUCTION SOLUTIONS FROM START TO FINISH

After 16 years in construction surveying and working on up to 40 major projects, surveyor Craig Butcher decided to make the move and go into business for himself, establishing Stride Survey Pty Ltd. Eighteen months later, Craig employs 11 surveyors and continues to work on major residential and commercial construction projects throughout Melbourne.

"We provide solutions to the builder from site establishment through to project completion. Stride specialise in all elements of construction surveying, including piling, formwork and structural steel set-out, internal wall and facade set-out, NLA surveys (to PCA guidelines), as-constructed surveys including final certification surveys," Craig said.

For 700 Bourke Street, the company carried out surveying across the project, including the initial site establishment, concrete formwork and structural steel survey, internal wall fit-out, NLA (Net Lettable Area) surveys for the client, external landscape set-out and final certification surveys.

"The job was heavily reliant on survey given the complexity of the building, its sheer size, design geometry - particularly its angles," Craig said.

"The greatest challenge was the ability to manage a large amount of sub-contractors and their ever changing requirements. This and the ability

to deliver in often tight deadlines ensured that we were never complacent, always at the ready to adapt to the dynamic environment."

The company is also being kept busy with plenty of other projects around Melbourne, including the 70-storey Prima Tower, 735 Collins Street Tower B and 720 Bourke St (all Brookfield Multiplex projects), Margaret Court Arena Upgrade and numerous residential towers.

"Stride Survey thrives in the environment of the construction industry," Craig said. "We always use the latest survey equipment available and employ the best techniques for each associated task. Stride has recently ventured into Laser Scanning to stay in touch with the new technologies being utilised throughout the industry."

"We also have a great team of experienced staff who love what they do and get great satisfaction in what they deliver," Craig added.

For more information contact Stride Survey Pty Ltd, 68-76 Drake Boulevard Altona VIC 3018, phone 03 9095 6699, email: info@stridesurvey.com.au, website: www.stridesurvey.com.au





HIGHRISE CARPENTRY - THE VERY BEST IN CARPENTRY SERVICES

Providing all carpentry services and specialising in fixing, fitouts and fire doors, HighRise Carpentry has worked in the commercial and domestic building industry for more than 20 years.

Currently employing 40 carpenters, the company is a partnership between ASK Constructions Pty Ltd's director Anton Karaula and director Ned Vrselja from Vrelkan Constructions Pty Ltd.

Its highly reputable carpentry services means HighRise Carpentry continues to work on major construction projects across Melbourne, including the NAB-D2 700 Bourke Street base build and fit out, 171 Collins Street and 720 Bourke Street for Brookfield Multiplex, and the Epic Apartments development in Southbank.

The company also carried out its specialised carpentry services for the 700 Bourke Street project, of which 30 of the company's employees worked on the build.

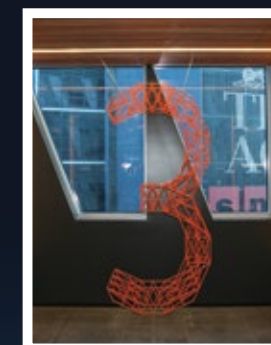
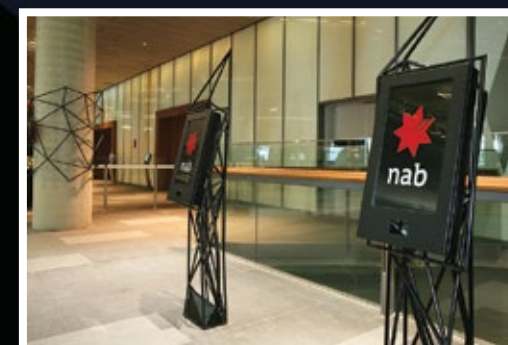
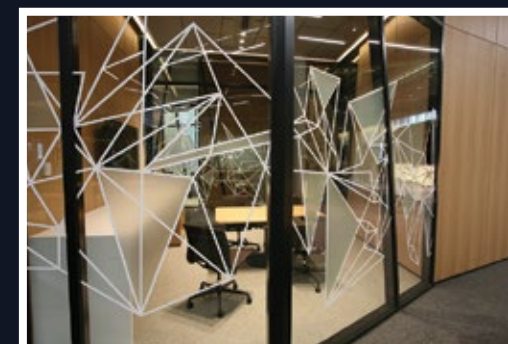
For the project, the company completed the timber ironbark hand railing around the building's atrium and across all levels of the building (using new machines to join the ironbark handrails to the steel framework), the ironbark cladding around the retail areas, all the timber doors, fire doors, jambs and aluminium skirting, and raised the floor to the building's theatre and level 3.

HighRise Carpentry's solid reputation has also seen it work with major companies on projects across Victoria including Media House at Docklands, Puckapunyal Military Area redevelopment, Victorian College of the Arts, Sunshine Hospital redevelopment, a Department of Housing project in Bacchus Marsh, Mernda Family and Community Centre, Princes Hill Primary School and Westbourne Grammar.

HighRise Carpentry has also worked on significant apartment developments around Melbourne such as Mayada Apartments in Toorak Road, Leopold Apartments in St Kilda Road and La Banque Apartments in Little Lonsdale Street.

For more information contact HighRise Carpentry Pty Ltd, 8/27 Ascot Vale Road Flemington, VIC 3031, phone 03 9376 6333, mobile 0418 352 401 (Anton Karaula), 0419 315 106 (Ned Vrselja), email: hrisecarpentry@optusnet.com.au

ADHERETTES - COMPLETE SIGNAGE SOLUTIONS



Not many of us think about what it takes to create the signage that informs and directs us every day of our lives. For example, the 700 Bourke Street building has 8,000 signs made up from more than 50,000 individual components. The different sign types include sky signs, 3-D street and floor numbers standing three metres high in a web-style/lattice-work design, column wraps with in-built monitors, totems, wayfinding and statutory signage, vinyl and digital print graphics, wall and floor graphics, non-slip floor graphics and office/desk numbering.

Designed, manufactured and installed by signage specialists Adherettes Pty Ltd, the signage for the 15-storey building required three kilometres of steel tubing, 2,200m² of digitally-printed graphics, about 2,000m² of vinyl graphics and approximately 400m² of aluminium panels. Each floor of the building had a unique colour theme. The signage for each floor had to be custom-made to match the theme.

Design Manager David Baskett said "the engineering that was used in the project was complex. All components had to be designed and approved, then manufactured and installed. There was also a significant amount of documentation that we had to produce."

Wayfinding column wraps had to be individually designed for columns of differing diameters. Each wrap was designed from 220 components needing to be laser cut, folded and painted using a combination of powder coating and 2-pack spraying. "The digital prints are a floor-to-ceiling historical timeline mural applied to glass with multiple angled mullions. Each pane had to be surveyed, artwork produced, production files created, film printed and installed to ensure all prints matched up to produce a continuous mural," Project Manager Benny Engelman said.

Other specialised signs had their own unique requirements, including a 35-metre long hand-painted bike mural and specialty echo-panel railing at the childcare centre to display the children's work. Senior Project Manager Gal Ben-Eliezer said "Adherettes' extensive experience with large projects across Australia meant the company was able to handle the challenge."

Adherettes impressive client list includes Westfield, Telstra, Kmart, ANZ, Medibank Private, David Jones, Myer, KIA, JB Hi-Fi, the Royal Children's Hospital and Opel.

For more information contact Adherettes Pty Ltd, 359 Plummer Street Port Melbourne VIC 3207, phone 03 9214 2222, fax 03 9214 2244, email: admin@adherettes.com.au, website: www.adherettes.com.au





PROVIDING A COMPLETE SOLUTION

Gunnebo Australia specialises in the supply, installation, service and maintenance of pedestrian and vehicular entrance control equipment for corporate head offices, Stadiums, Government departments, Correctional Centres, Data Centres and Airports.

We provide a complete solution from initial consultation, analysis of requirements, project management, layout drawings, installation and maintenance.

The SpeedStile is the most popular entrance control solution for corporate head offices and government departments within Australia and New Zealand with well over one thousand lanes currently in operation.

The SpeedStiles sophisticated technology allows for ease of access, security monitoring and the prevention of unauthorised access. SpeedStile gates are also very adaptable, and can be tailored to the desired level of security required on any given project, taking into account safety factors and the protection level necessary. They can be housed in a range of cabinet styles including stainless steel, a range of painted colours and custom designs.

With over 70 years of experience in the Entrance Control team, Gunnebo Australia can offer tailored solutions to suit specific security and aesthetic requirements.

In April 2013, Gunnebo completed the installation of Entrance Control equipment at a new National Australia Bank (NAB) office at 700 Bourke Street, Melbourne, which included 12 lanes of SpeedStile FP's and 4 GlasStile S entrance gates. Located at the corner of Bourke Street and Wurundjeri Way, Docklands, the building provides a gateway to Docklands from Southern Cross Station.

The project has strengthened Gunnebo's ongoing relationship with NAB and boosts our position as a preferred supplier of security solutions in Australia.

If you have a project that requires any kind of pedestrian or vehicle entrance control, please contact us and one of our highly experienced team of security professionals will contact you with a range of solutions to meet your requirements.

For more information contact Gunnebo Australia Pty Ltd, PO Box 8254 Baulkham Hills B.C NSW 2153, phone 02 9852 0700, fax 02 9852 0731, website: www.gunnebo.com

AUSTRALIAN NATIONAL CONSTRUCTION REVIEW

THE FOREFRONT OF SPECIALIST CLEANING SERVICES



Since 2003, Clean City Services Vic has been providing supreme quality cleaning services throughout Australia to the private, commercial, industrial and retail sectors.

Beginning as a commercial cleaning company franchise with one employee, Clean City has since grown significantly and now has 40 full-time staff.

"Our commitment is to provide the most efficient, consistent, reliable and cost-effective cleaning service that exceeds our customers' requirements and expectations," Clean City's Vladimir Gavrilovski explained.

"Our reputation for quality is maintained through the hands-on involvement of all our staff, from management level through to onsite personnel, who are actively involved in the development and implementation of our quality practices.

"Clean City Services Vic is also committed to ensuring that all our employees embrace the Quality Policy."

The company's expertise was utilised in a number of ways for 700 Bourke Street, including general cleaning, the cleaning, scrubbing and buffing of hard floors, cleaning of wet areas, carpet steam cleaning, dust and low-bacteria removal and cleaning of glass surfaces.

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"Clean City also carried out high-level cleaning operations which involved abseiling down the building to ensure all its areas were spotless," Vladimir added.

Clean City has worked on major development projects across Melbourne including the Telstra Head Office at 242 Exhibition Street, Myer and David Jones department stores, Ikea Clayton and the Bank Apartments in City Road.

The company's cleaning services are currently engaged in the National Australia Bank D2 building, 735 Collins Street, 171 Collins Street and Upper West boutique apartments.

Clean City also recognises the crucial importance of Occupational Health and Safety (OH&S).

"We are fully committed to the provision of the highest level of OH&S to our entire staff and clients. Our company believes that OH&S plays an integral part throughout the workplace and sites," Vladimir said.

For more information about Clean City Services Pty Ltd and their first-rate specialist cleaning services, contact them on (03) 9416 9699, Vlad: 0404 446 633, Jas: 0402 275 950, email: cleancity@optusnet.com.au or jas@ccserv.com.au

VIC PROJECT FEATURE 700 BOURKE STREET 57