



BROOKFIELD MULTIPLY

Brookfield Multiplex is known for completing their projects on time, on budget and to the highest quality and design criteria.

The Group is a fully-integrated property and funds management business with activities in commercial, retail and residential property development, construction, management services and infrastructure. In Australasia, the group employs around 1,500 people and has a reputation for quality, innovation and the successful delivery of major projects.

Founded in 1962 as a private construction company, Brookfield Multiplex is now one of Australasia's leading integrated and diversified property groups. In January 2008, Multiplex became a wholly-owned subsidiary of Brookfield Asset Management Inc., a global asset manager focused on property, power and other infrastructure assets with approximately US\$90 billion assets under management.





PERTH CONVENTION EXHIBITION CENTRE





Ernst & Young Centre, Sydney



American Express Building, Sydney

Brookfield Multiplex is committed to creating structures that endure the test of time and incorporate the latest sustainable design and construction techniques with interiors that are sensitive to the needs of their users.

The company's extensive portfolio includes some of Australia's best known addresses including Stadium Australia, Chifley Tower and King Street Wharf in New South Wales, Federation Square and St. Vincent's Hospital in Victoria as well as ANZ Stadium in Queensland, amongst many others. One of the company's current projects is the

"Seelite Windows & Doors Pty Ltd manufacture, install and glaze aluminium windows and doors to the Commercial Construction Industry. Our first project with Brookfield Multiplex Constructions was the Concept Blue Apartment project at the 'old' Russell Street Police Headquarters in Melbourne. We successfully provided new aluminium windows and doors to the existing multi-storey building to accommodate the requirements of Heritage Victoria and the design team.

"Subsequent to the completion of this project, Seelite Windows & Doors have worked with Brookfield Multiplex Constructions on such major Melbourne projects as the Flinders Wharf Apartments, the Urban Workshop, The Southern Cross Tower, the Royal Melbourne Showgrounds redevelopment and most recently the CBW Project in Melbourne's CBD. Seelite Windows & Doors have also successfully completed two projects at the Newport Quays development in South Australia for Brookfield Multiplex Constructions.

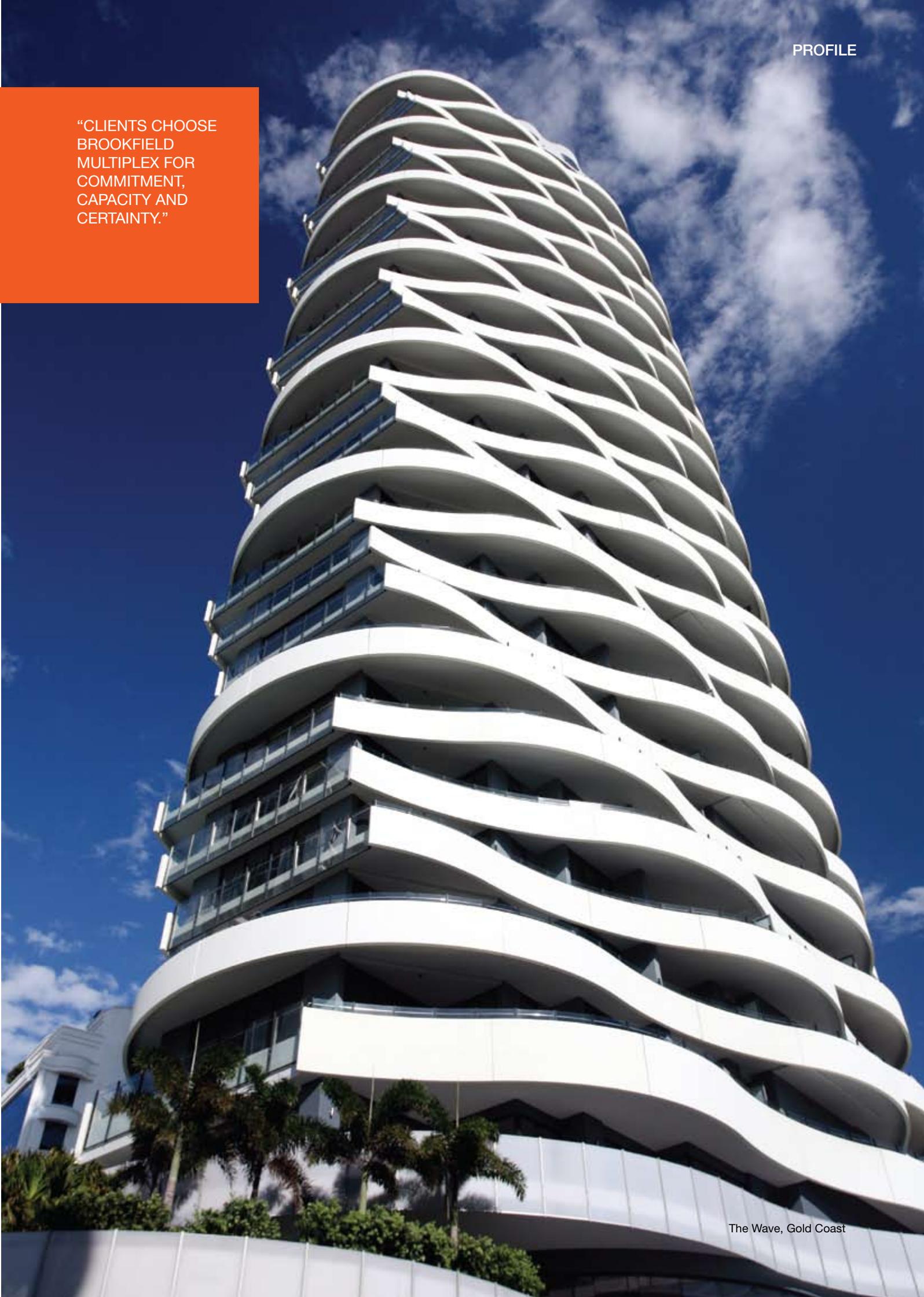
"FROM DESIGN, THROUGH TO ESTIMATION AND ONTO THE CONSTRUCTION PHASE, WE HAVE FOUND BROOKFIELD MULTIPLEX TO BE AN EXCEPTIONAL BUSINESS PARTNER."

Michael Taranto

"We have been able to foster and develop a fantastic working relationship with all facets of Brookfield Multiplex Constructions. From design, through to estimation and onto the construction phase, we have found Brookfield Multiplex to be an exceptional business partner. We have found Brookfield Multiplex Constructions to be a very well-organised and resourced builder in terms of their 'on-site' activities and logistics. They have contributed substantially to the growth of Seelite Windows & Doors into a major 'player' in the commercial aluminium window and door market. We look forward to a continued long-term relationship with Brookfield Multiplex Constructions".

Michael Taranto, Managing Director, Seelite Windows & Doors Pty Ltd

“CLIENTS CHOOSE
BROOKFIELD
MULTIPLEX FOR
COMMITMENT,
CAPACITY AND
CERTAINTY.”



The Wave, Gold Coast

PROFILE

development of the Melbourne Convention Centre, which is set to inject an estimated \$197 million a year into the state economy and create 2,500 jobs over 25 years.

Brookfield Multiplex is one of the most established and diverse builders in Australia with a history covering more than 40 years of expertise in successfully completing complex projects. Brookfield Multiplex innovates from the foundation to the fit out, so their buildings are built to the best capacity – for their users, owners and the community.

Internationally accredited to the highest safety and environmental standards, the company specialises in identifying opportunities, undertaking planning and design and developing facilities management plans for the entire life cycle of each project. Clients choose Brookfield Multiplex for commitment, capacity and certainty. They offer the resources and depth of experience to deliver innovative, creative, award-winning projects.



“BROOKFIELD MULTIPLEX WAS INSTRUMENTAL IN FORMULATING THE WORK ETHIC AND DISCIPLINE MASTERFLOORS ADOPTED IN ITS FORMATIVE YEARS.”

Ian Barker

“Masterfloors was established in 1980 and has sub-contracted to Brookfield Multiplex for some 20 years. As a newly-established company it was extremely hard for Masterfloors to gain the confidence of Brookfield Multiplex, to be included in their tender system and to finally be awarded a contract.

“Needless to say it was a baptism of fire. The timeframe for completion of work was very tight. It quickly became apparent that we had to perform to a very high standard and integrate with their system if we wanted to be part of future work. We decided that it was their way or the highway.

“Brookfield Multiplex was instrumental in formulating the work ethic and discipline Masterfloors adopted in its formative years. We enjoy a healthy relationship with Brookfield Multiplex and have been part of many of their successful projects. They have great staff and we have established working friendships with many of them. Business is business however, and in this regard nothing has changed; you are only as good as your last project.

“Masterfloors pride themselves on being a supplier to Brookfield Multiplex for so many years. It has been a wonderful association for our company. We extend sincere congratulations to Brookfield Multiplex and their staff.”

Ian Barker, Masterfloors.

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– The Godfather 1972



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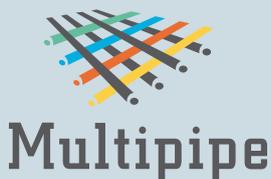
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MELBOURNE CONVENTION CENTRE DEVELOPMENT

Melbourne Convention Centre Development is an iconic project undertaken by Brookfield Multiplex that involves the design and construction of the world's first six Star Green Star Convention Centre.

The new Melbourne Convention Centre was awarded the six Star Green Star environmental rating by the Green Building Council of Australia for its innovative mix of its state-of-the-art design, function and operational requirements. Premier John Brumby announced in January 2008 that the Centre will be the greenest convention centre in Australia.

Mr Brumby commented that the design was put through a rigorous process to achieve a six Star Green Star rating and has set a new standard for other convention centres around the world.



Melbourne Convention Centre, NWHB Architects

Emirates Towers, Dubai



Teamed for Perfection

"Inspiration, attention to detail and hard work are at the heart of any successful building project and the Melbourne Convention Centre is testimony to this. In building the multifunctional centre, the creative working relationship between Brookfield Multiplex and Academy Roofing has opened new doors in design and innovation.

"After working with Brookfield Multiplex for over three years on various projects, Academy Roofing and its Zinc Division – Architectural Cladding Australia Pty Ltd – has witnessed firsthand the power of precision planning. Academy Roofing has found Brookfield Multiplex to be blessed with a brilliant design and production team who are a duly qualified band of solution-oriented individuals, who meet every challenge with a will to succeed.

"Through its sister company, Architectural Cladding Australia, Academy Roofing provided the state-of-the-art equipment required for the manufacture and installation of quality roofing and cladding profiles. Architectural inspiration was enhanced by the exceptional range of VM ZINC® cladding available for this undertaking – creating a unique, textured design.

"Naturally, a project such as the Melbourne Convention Centre presents a number of challenges on a multitude of levels. With such a mammoth task, transparency is a proven key. Succinct and effective communication is imperative on all levels of operation from planning, through to manufacturing and construction. Academy Roofing and Brookfield Multiplex share a steadfast dedication to OH&S management, quality control and originality that ensure safety, excellence and distinction.

"Architectural Cladding Australia and Academy Roofing look forward to a continuing partnership with Brookfield Multiplex. Due to the diligence of all parties, who have an able finger on the pulse of every aspect of the project, the heart of construction at the Melbourne Convention Centre never stopped beating. Staffed with the right people the project was, indeed, teamed for perfection."

**Karl Brown, Managing Director
Architectural Cladding Australia and Academy Roofing**

**"INSPIRATION, ATTENTION TO DETAIL AND
HARD WORK ARE AT THE HEART OF ANY
SUCCESSFUL BUILDING PROJECT AND
THE MELBOURNE CONVENTION CENTRE IS
TESTIMONY TO THIS."**

Karl Brown

“The Convention Centre will not only be a landmark building in Melbourne’s developing landscape, but this new level of sustainability will be a major drawcard for convention organisers in an increasingly environmentally conscious world climate,” Mr Brumby said.

“This is the first convention centre to achieve a six Star Green Star Convention Centre environmental rating, the highest possible under GBCA’s rating system, and is further evidence of our commitment to construction of ecologically sustainable buildings in Victoria.

“The new Melbourne Convention Centre’s green credentials are a major selling point for international businesses – many whom are keen to show they are taking steps to reduce their environmental footprint on the planet.”

Key green features include solar panels to deliver all public amenity hot water requirements, a black-water recycling plant that saves 50% of water consumption by recycling waste water to supply toilets, cooling towers to irrigate landscapes, natural light and energy-saving controls on installed lighting fixtures that adjust dependent on the amount of daylight detected in the room. Many of the building materials used in the project are being sourced from renewable and sustainable industries.

The facility is set to be the most advanced exhibition and convention space in the southern hemisphere. The new centre will be one of the most impressive architectural and environmental buildings in Australia, including;

- A 5,000 seat Plenary Hall
- A 1,500 seat Banquet Hall
- 32 Meeting Rooms
- Entry level foyer to accommodate 8,400 guests
- A pedestrian bridge linking the north and south banks of the Yarra River.

There are 39 major international conventions booked for the new Melbourne Convention Centre bringing over 76,000 delegates to Melbourne.

Economic modelling estimates that over 25 years the convention centre will stimulate Victoria’s economy in excess of \$197 million each year and create 2,500 jobs plus 1,000 jobs during the construction phase.

“This is further vindication that this government has wisely invested \$370 million to deliver the Victorian people a great long-term public project that will help inject an estimated \$197 million a year into the state economy and create 2,500 jobs over 25 years,” Mr Brumby confirms.



Gold Coast Convention and Exhibition Centre

SUPPLY CHAIN FOCUS WITH GRAHAM JOLLY, CONTRACTS MANAGER OF THE MELBOURNE CONVENTION CENTRE DEVELOPMENT, BROOKFIELD MULTIPLEX LTD

Brookfield Multiplex have been involved with some of Australia's most impressive major building projects, such as the Melbourne Convention Centre in recent years. As the company don't directly employ large numbers of tradesmen, they rely on subcontractors and suppliers to supply the bulk of the workforce on most of their sites.

Because of this, the subcontractors and suppliers that Brookfield Multiplex utilise need to be reliable and be able to take up the various challenges presented to them in order to achieve the safety, quality, time and budget targets that must be met in today's competitive market.

"As well as our own staff and specialist labour force, subcontractors and suppliers play an integral part in achieving our company objectives," says Graham.

When selecting suppliers and subcontractors to work with Brookfield Multiplex, there are several important aspects the company consider, such as;

- Ability to complete the works safely, to the highest standard and in accordance with the project brief
- Ability to work within a budget
- Ability to take on the challenge of design and construct if necessary
- Ability and experience of its managers, supervisors and tradesmen
- Ability to deliver the works on time and be able to accelerate if necessary
- Ability to work within the Brookfield Multiplex contractual requirements
- Ability to avoid disputes, arguments and understand subcontract requirements.

In addition to ensuring that all potential suppliers and subcontractors meet the assessment criteria, optimal supply chain management techniques are of great importance.

Selecting appropriate tenderers when tendering packages of work and limiting the number of tenderers to a



Graham Jolly

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“BROOKFIELD MULTIPLEX HAS A REPUTATION FOR QUALITY, INNOVATION AND SUCCESSFUL DELIVERY OF MAJOR PROJECTS.”

Graham Jolly



field that is capable of carrying out the works is a prime concern, as is providing subcontractors and suppliers with the most up-to-date and accurate information and documentation via web-based document transmittal systems.

Ensuring that subcontractors and suppliers are paid on time and in accordance with their contractual arrangements and prompt settlement of final accounts are paramount to maintaining positive and proactive business relationships. Brookfield Multiplex also run regular 'subcontractors and suppliers' get together to meet and catch up with their business partners in a relaxed environment.

“We feel that Brookfield Multiplex has a great working relationship with all of its key subcontractors and suppliers,” comments Graham.

“We deal with mostly top tier subcontractors and suppliers in their field that are looking to further develop existing relationships, as well as forge new relationships with subcontractors and suppliers who share our ideas for quality, innovation and the successful delivery of major projects.”

Brookfield Multiplex has a very

superior and long standing set of procedures that cover all aspects of the building process, such as tendering, letting and administration of subcontracts and supplied items.

“For all large packages of work, potential subcontractors and suppliers are presented with a questionnaire of up to 120 questions, covering all aspects of the proposed works as well as requesting specific information from the tenderers in relation to their work,” explains Graham. “We find that this generally clears up any confusion and avoids problems down the track.”

Brookfield Multiplex has a reputation for quality, innovation and successful delivery of major projects. The company only directly employs approximately 1,500 people throughout Australia, therefore an efficient supply chain is crucial in maintaining their hard-earned reputation, impressive body of work and longevity as a business.

“Brookfield Multiplex maintains its reputation with a team of motivated and successful subcontractors and suppliers supporting us and working with us in an effective and efficient manner,” finishes Graham.

Dubai Marina





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Academy Roofing is very proud to be involved in the construction of the Melbourne Convention Centre, the largest VM ZINC® installation in the Southern Hemisphere (pictured).



VM ZINC
The architectural inspiration

Our scope of works at the Melbourne Convention Centre include shop drawings, detailing, substructure, set-out and installation. An interesting design has been achieved by varying the widths and the express joints.



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Academy Roofing Pty Ltd is a steadily growing company with expertise that distinguishes it as an Australian leader in roofing and cladding. Several years ago Academy Roofing identified a market for the supply and installation of specialist metal architectural cladding (principally VM ZINC®), a market that has grown enormously over the last two years. Academy Roofing has now re-branded its cladding division as **Architectural Cladding Australia Pty Ltd**.



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PROFILE

IN A GALAXY NOT SO FAR AWAY ...

Thousands of science fiction fans from all over the globe will congregate at the new Melbourne Convention Centre in 2010 for the 68th World Science Fiction Convention.

The annual science fiction event, Aussiecon 4 is scheduled to run for seven days in September 2010 and is expected to attract more than 3,000 fans to the new convention centre – generating an incredible \$18 million in economic benefit for Victoria.

The anticipated Aussiecon 4 will include panel discussions on a variety of science fiction subjects, such as the future of technology, writing, publishing, as well as the philosophical and sociological implications of science fiction as a genre, international guests and the prestigious Hugo Awards.

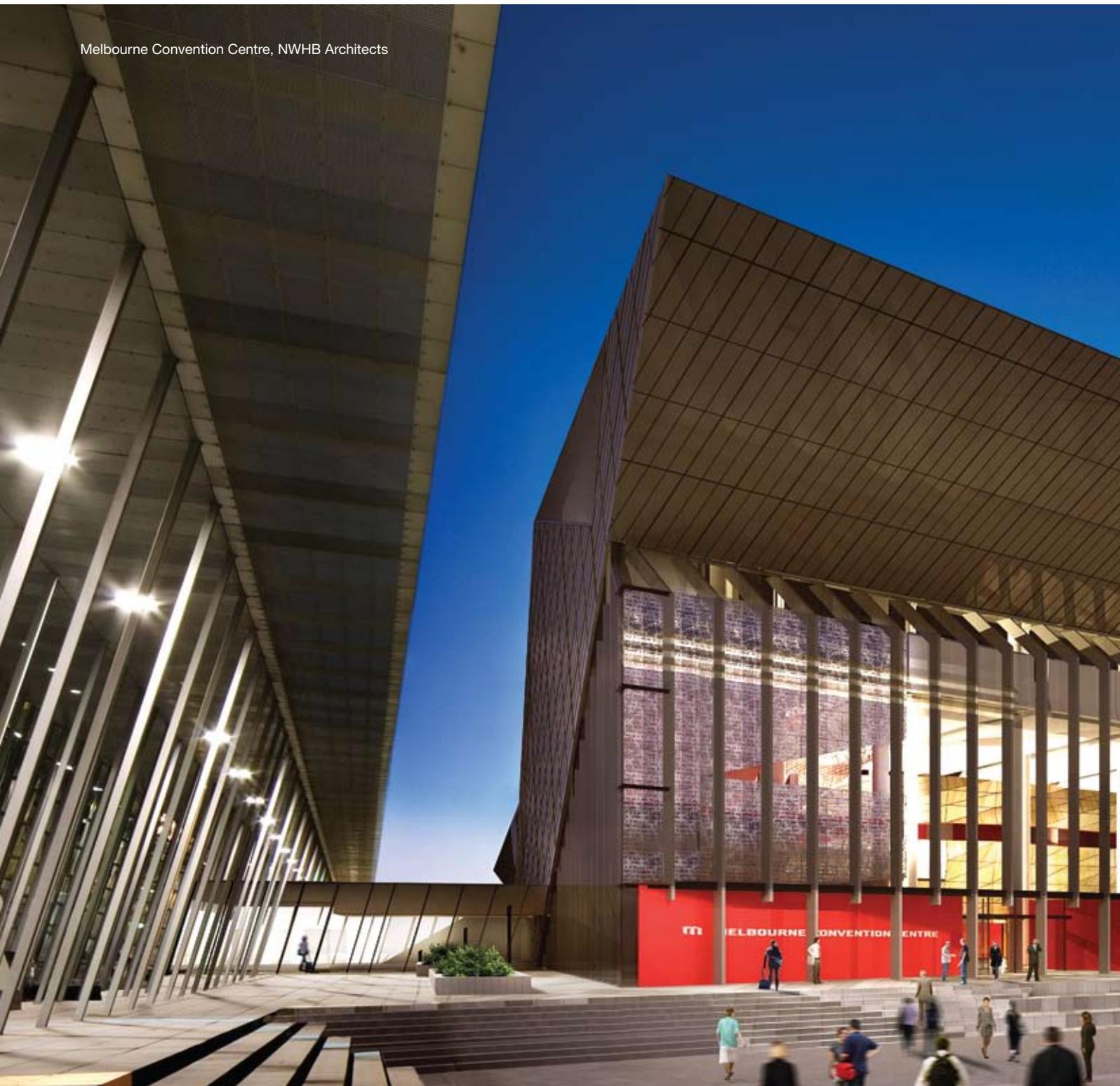
Since its beginnings in 1946, the annual conventions have only been held in Australia three times previously in

1975, 1985 and 1999. Most of the popular World Science Fiction Conventions have been held in North America, therefore it has been a great accomplishment for Melbourne to be chosen as a venue – a decision that was no doubt influenced by the new world-class Melbourne Convention Centre.

The Aussiecon 4 event will provide another great opportunity to showcase the centre – with sci-fi fans travelling from around the world to attend the event. The convention is yet another coup for the centre, that boasts a number of upcoming notable events to take place at the premises, such as; the Parliament of the World's Religions in 2009, the International Botanical Congress in 2011 and the International Congress of Paediatrics in 2013.

The Aussiecon 4 convention is another example of Australian design, construction and innovation taking the world by storm.

Melbourne Convention Centre, NWHB Architects



NWHB Architects



“THE CONVENTION CENTRE WILL NOT ONLY BE A LANDMARK BUILDING IN MELBOURNE’S DEVELOPING LANDSCAPE, BUT THIS NEW LEVEL OF SUSTAINABILITY WILL BE A MAJOR DRAWCARD FOR CONVENTION ORGANISERS IN AN INCREASINGLY ENVIRONMENTALLY CONSCIOUS WORLD CLIMATE.”

John Brumby





Melbourne Convention Centre – NWHB Architects

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“With over 50 years experience, Cays has gained an outstanding reputation for delivering a quality product on time and for working closely with their clients to ensure a successful outcome for all involved. For the past seven years, Cays has enjoyed an excellent working relationship with Brookfield Multiplex.

“Brookfield Multiplex is a highly-valued client who is

a pleasure to work with due to their highly professional, well-organised team, excellent management systems and their tremendous depth of knowledge and experience in the construction industry.

“Cays Engineering’s ability to respond to rapidly-evolving projects and commitment to ensure a quality, safe and economical outcome for Brookfield Multiplex has seen our relationship go from strength to strength.”

**Angus Youngson, Managing Director
Cays Engineering**

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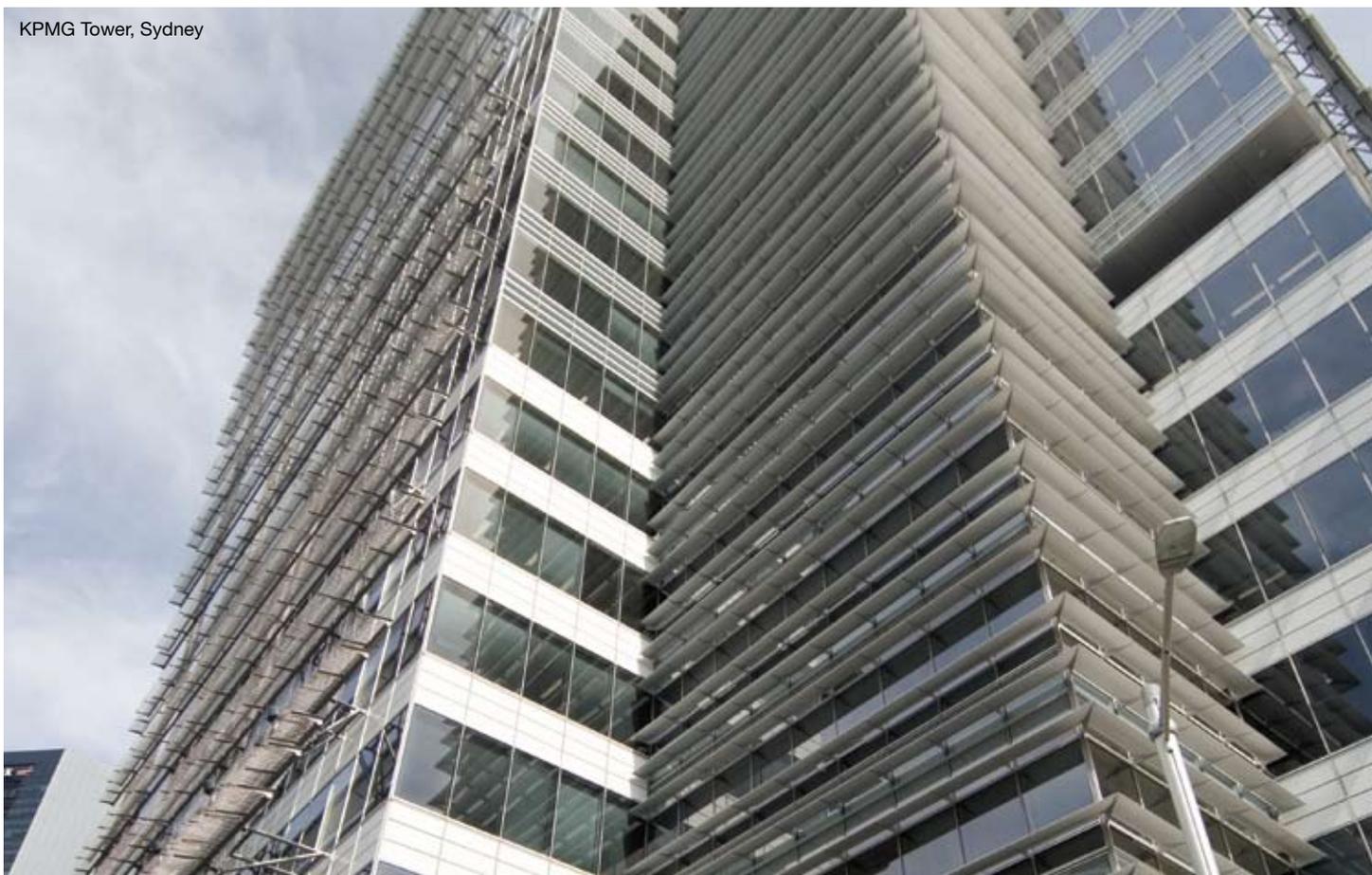
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"It is reassuring to us that once again Brookfield Multiplex has recognised Everett Smith & Co Pty Ltd as part of their group of elite subcontractors.

"Since the late 1960s, Everett Smith & Co and Brookfield Multiplex have enjoyed a bond that in many respects transcends the normal commercial relationship between companies because both organisations aspire to provide the best outcome for their clients.

"Brookfield Multiplex regards us as experts in the fields of electrical services, controls, communications and data systems so vital in today's energy-efficient world. Because this expertise is provided 'in house', Everett Smith & Co can supply these services without the need for external subcontractors and this translates into greater customer convenience.

"Like Brookfield Multiplex, Everett Smith & Co have chartered professional personnel at senior management level, adding to the confidence of those who rely on us. This ensures that we are correctly judged by what we are remembered for long after successful project completion.

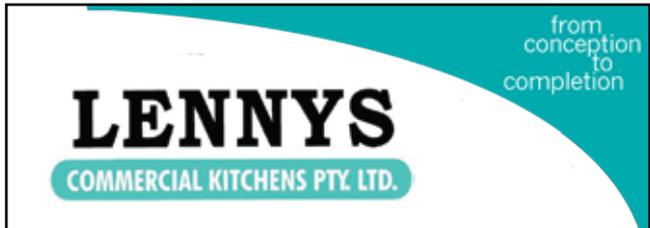
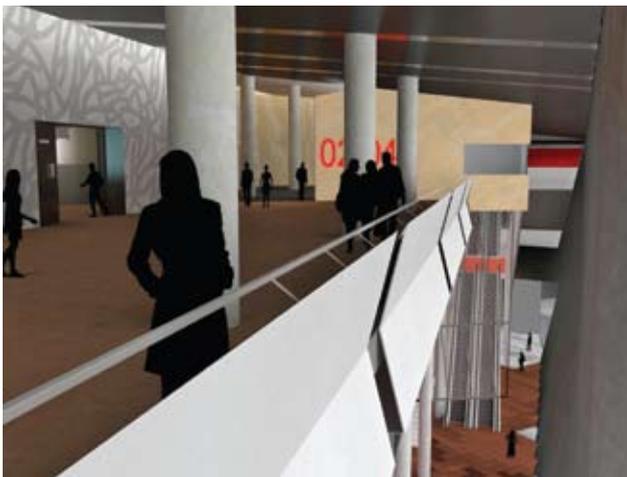
"Also, like Brookfield Multiplex, we place great importance on our employees, particularly in areas of health, safety and environmental policy. Our safety system is independently assessed so that we can engage in an active approach to this most important area of our business, rather than relying on a passive set of requirements like other companies often do.

"Notwithstanding our location in Perth, Western Australia, we carry out work throughout this vast state and even overseas. In 1994 we joined Brookfield Multiplex in the design and construct project in Bali for the Hotel Nikko, a magnificent resort that even today still reflects the quality of Australian constructors and their like-minded principal subcontractors.

"Because we intend achieving ongoing future challenges with Brookfield Multiplex, Everett Smith & Co has in place a succession plan that includes not only family members, but also comprises gifted and loyal young persons, selected because they are in tune with our business culture and character.

"This plan will enable Everett Smith & Co to remain a private and independent enterprise for many years to come, enabling us to maintain our relationship as a preferred subcontractor to Brookfield Multiplex."

Terry Smith
Everett Smith & Co Pty Ltd



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Multiplex on their extraordinary achievements
in the construction industry.**

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“Vibropile is proud to have been part of the subcontractors list for many major Multiplex projects such as City Square Perth, Victoria Point Docklands, Kings Wharf Sydney, Raffles Hotel Perth, the Perth District Courts and Southbank One.

“Vibropile also successfully completed the piling and associated works for Melbourne’s new showpiece – The Melbourne Convention Centre.

“Our scope of work included the design and construction of foundation piling for the luxury hotel, plenary hall, commercial development and the tower cranes.

“In addition, piling work was required to provide temporary and permanent retaining walls to enable construction of orchestra and lift pits. A cut-off wall was required around the full perimeter of the site to prevent water ingress during bulk excavations, which was undertaken by our sister company – Keller Ground Engineering.

“CFA piles proved to be the most cost-effective pile type in these challenging conditions with approximately 1850 piles from 600mm to 750mm in diameter being installed. The average founding depth was between the ranges of 18 – 45m.

“The total length of piles installed was approximately 36,000m, with in excess of 19,000m² of concrete and over 550 tonnes of reinforcing steel used.”

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Vibropile has been designing and installing deep foundations since 1966. Since that time, we have acquired the experience necessary to successfully operate in this demanding and highly specialised area of civil engineering.

Vibropile aspires to provide the highest level of excellence in servicing the needs of our clients in a safe and environmentally responsible manner. We strive to continually be at the forefront of technological development in all aspects of deep foundation design and construction.

For further information on our capabilities, experience and major projects, please see our website at www.vibropile.com.au



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INNOVATIVE SEATING SOLUTIONS FOR THE MELBOURNE CONVENTION CENTRE

The multi-award winning Metaltec Precision Engineering has added the first Gala Seating facility in Australasia to its list of globally-recognised work within the aerospace, defence, food processing, pharmaceutical, mining, automotive, energy and heavy engineering industries.

With 12,000 square metres of dedicated factory based in Cheltenham, Victoria, Metaltec has extensive capabilities in:

- Design and development
- Engineering
- Precision machining – milling and turning
- Fabrication
- Assembly
- Pressing – up to 700 tonnes
- Quality inspection
- Project management.

Versatility, scale and a focus on partnering with industry has seen Metaltec inducted into the Victorian Manufacturing Hall Fame for the manufacture and installation of the storage ring base for the Australian Synchrotron, the most complex scientific device ever built in Australia, which is used for nanotechnology, medical and pharmaceutical research.

After an extensive search, Multiplex and the Plenary Group also identified Metaltec as the right partner to take on the ambitious Gala Seating project. Metaltec was awarded the contract to prototype, configure, manufacture and install the 1600 seat Gala solution, which enables the Plenary Hall to arrange seating to suit different users. The seats can be mechanically arranged in a flat floor, tiered, terraced or stadium mode. Seats can be fully hidden under the floor or deployed to theatre mode within ten minutes. The Melbourne Convention Centre is the first venue to install a Gala Seating system in Australasia, and the project is twice the

size of any other Gala Seating installations in the world.

From the outset, Multiplex and the Plenary Group set out to develop the Convention Centre as a true multipurpose venue. Melbourne has been recognised for many years as the world leader for design and operation of profitable multipurpose sports stadiums. The Melbourne Convention Centre will now match these venues with the level of innovation and user flexibility.

Metaltec utilised skills built from over 50 years of industry experience to develop a solution that met demanding specifications and timeframes.

CATIA CAD CAM systems were used to produce accurate 3D models of the seating system and hundreds of real time animations were generated to ensure the design was fit for purpose and met the exacting specification.

With the design locked down, full scale prototypes were built at the company's Cheltenham facility and were subject to rigorous testing to meet the onerous criteria. These included dynamic testing to ensure operational stability and static testing to withstand 75 tonne loads so that the seating system can function as a stage whilst in flat floor 'Exhibition mode'.

During the installation process, Metaltec utilised high-precision laser measuring techniques similar to those the company employs to manufacture aircraft parts. The tight tolerance of 6mm between seating platforms in theatre mode

translated to less than 0.2mm at ground level. To meet this tolerance, the Metaltec installation team introduced techniques not generally employed on a construction site, including mounting a laser projector in the roof structure to locate the seating bases and the 23,000 bolts engaged to hold the system down.

The end result is impressive. The Plenary Hall can be divided into three separate halls and each one has its own Gala Seating solution. The middle hall alone has the equivalent capacity of the largest previous Gala installation. To observe the hall transfer from Theatre mode with 5000 seats, to banquet mode with 3400 seats, and banquet seating with 2000 seats in less than ten minutes is clearly impressive.

To capitalise on the experience gained at the Convention Centre, Metaltec is in discussion with Australia's leading architects and engineers to develop innovative solutions for future projects. Opportunities exist to manufacture and install systems in other concert halls, stadiums and theatres in Australia and across the globe.

Metaltec looks forward to the next opportunity to work with Multiplex on one of their exciting projects. The skills utilised to complete the Synchrotron and Convention Centre is transferrable to any contract that requires precision engineering.

For more information try:
www.metaltec.com.au