

THE POLY CENTRE: WHERE INNOVATION MEETS THE SYDNEY SKYLINE

Project: The Poly Centre
Location: 210 George St, Sydney NSW
Master Precaster: Advanced Precast
Builder: BESIX Watpac
Architect: Grimshaw
Engineer: WSP

Setting a new standard in workplace engagement, Sydney's Poly Centre has been designed to bring people together, lift productivity and enhance the profiles of its occupants. Inspirational and iconic, it is nestled on George Street, in the vibrant revitalised core of Sydney's northern central business district.

Standing 25 stories tall, the Centre boasts sleek lines and sharp angles, to exude a distinctly modern and dynamic aesthetic. It's intricate and complex architectural design seamlessly blends glass, precast concrete and steel to form a captivating facade. The exterior façade is characterised by curved glass and precast concrete, with the curves extending into the interior through cantilevered precast arches and expressed steel.

With over 17,000 square metres of commercial and retail space and 24 upper levels of office accommodation, what sets Poly Centre apart is that it offers new modes of workspaces with vast, open spaces with plenty of fresh air and natural light, to promote wellbeing and collaboration.

Poly Centre offers a high quality workplace environment where workplace layouts can be modified by tenants to suit their needs. Typical floors have been replaced by dual floor Air Villages, where dramatic arched precast columns support double height atriums and open air balconies flanked by floor-to-ceiling windows. Meanwhile, the tower levels offer vast, column-free workspaces with excellent aspects and views.

PRECAST PRECISION

According to Brett Foster, Advanced Precast's Operations Manager, 500-plus elements in various shapes and profiles were supplied for the project by the National Precast Master Precaster. Over 10 moulds were crafted to manufacture the different precast elements for the project.

"The East facade features more than 300 grooved wall panels, including curved panels ranging from 3 to 31 square meters. The main facade boasts 135 arched and rectangular columns, weighing between 5 and 17 tonnes. Additionally, the George Street entrance showcases 4-square-meter grooved soffit panels with a triangular shape, all manufactured using an off-white oxide," says Foster.

SUSTAINABLE SYNERGY

The Centre serves as a beacon of Sydney's dedication to sustainable architecture. With a design that helps absorb carbon over its lifespan, necessitates minimal maintenance, and is non-combustible, it also maximises natural light and utilises environmentally conscious and efficient measures that minimise running and maintenance costs.

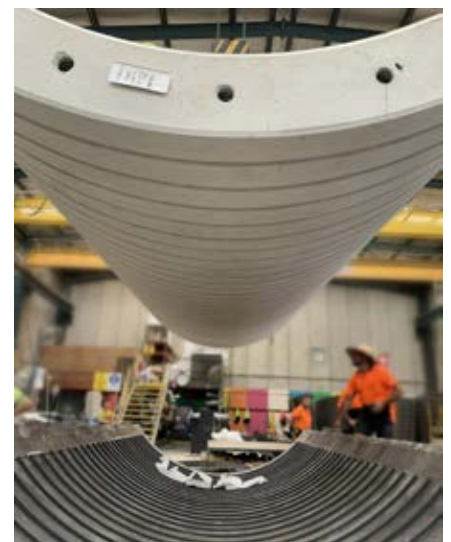
Thoughtful detailing ensures ample natural light through energy-efficient glass panels, reducing the reliance on artificial lighting. State-of-the-art water conservation systems, including rainwater harvesting and greywater recycling, further

minimise water consumption.

Local materials and labour were employed in the precast manufacturing process, minimising on-site waste and promoting safety.

This commitment to sustainability benefits the local community and environment, all while fostering a healthier and more comfortable workspace for occupants.

The Poly Centre is a shining example of Sydney's dedication to architectural excellence, sustainability, and urban sophistication. Its striking design, strategic location, sustainable features, and innovative amenities have collectively made it an iconic landmark in the city's skyline.



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That's just what National Precast is offering with its Student Memberships. And for a limited time, the annual membership fee has been waived.

According to National Precast CEO Sarah Bachmann, Student Membership provides exclusive opportunities to delve deeper into the world of precast.

Twice a year, National Precast hosts bi-annual Members' Conferences in different States. These gatherings are crammed with information, where students can tap into the expertise of precast manufacturers and industry professionals. Attendees benefit from the latest research insights, occasional site and factory tours and the chance to get their questions answered by experts. Plus, you'll make new contacts in the industry.

The vibrant National Precast community also offers live webinars and access to a wealth of past sessions through the Members' Portal. This ensures you keep abreast of the latest local and international industry trends.

"Connecting with National Precast means tapping into a broader network and keeping up with the latest local and international industry trends. This is an incredible opportunity for students to kickstart their careers in the precast industry," says Bachmann.

Don't miss this incredible opportunity to explore a career in the precast industry. Join National Precast today by contacting Shiva at info@nationalprecast.com.au and unlock a world of possibilities!



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AUSTRALIA-NZ PRECAST LEADERS TO MEET IN QUEENSTOWN

Mark your calendars for the industry event of the year! From 7th to 9th August, the breathtaking locale of Queenstown, NZ, will host the Australia-NZ Precast Leaders' Meeting. According to National Precast's CEO Sarah Bachmann, this prestigious event that is sponsored by Reid Construction Systems, promises three days of unparalleled networking, collaboration and cutting-edge industry insights.

The excitement kicks off on Wednesday, 7th August, with an exclusive dinner for National Precast Board members, National Precast Industry Partners, and the NZ Precast Sector Group (PSG) Leadership.

"This intimate gathering will set the stage for strategic discussions and the forging of stronger trans-Tasman ties," Bachmann comments.

Thursday, 8th August, will be packed with action as National Precast members and the NZ PSG come together for a joint meeting. Held at the Crowne Plaza Queenstown, this event will feature a stellar line-up of presentations that

will leave delegates inspired and informed.

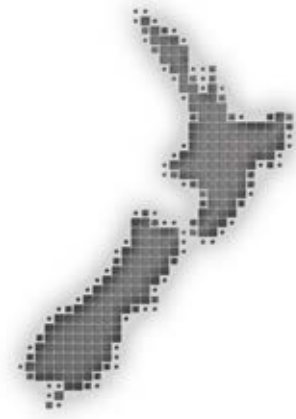
"We're organising a fantastic line up of presenters that'll be totally relevant to the precasters and suppliers who attend," says Bachmann.

From sustainability and Environmental Product Declarations (EPDs) to the impact of AI on the industry, safety protocols, industry training and technical sessions, there's something for everyone. The day's proceedings will culminate in a networking dinner at the iconic Skyline Restaurant, where attendees can enjoy breathtaking views and vibrant conversations.

The final day offers a perfect blend of relaxation and adventure. Attendees can choose between an Earnslaw cruise and BBQ lunch at Walter Peak or hit the slopes for some exhilarating skiing.

Don't miss your chance to be part of this must-attend event for precast industry leaders!

"But it's strictly for National Precast members only," says Bachmann. "Attending events like these is one of the privileges we offer our members".



National Precast will also be running its next National Conference in Melbourne – also at the Crowne Plaza, on 16th to 17th of October.

Secure your spot by joining National Precast and become a part of the precast community. There are options for precasters and suppliers, as well as professionals like engineers and builders, academics and students.

National Precast's CEO Sarah Bachmann assures "With support from our longstanding member and event sponsor Reid Construction Systems, this conference will be memorable, bringing together leaders from both countries and providing a fantastic opportunity to reconnect with friends old and new."

Ready to join in? Register now at www.nationalprecast.com.au/events or contact Shiva on 0451 475 724. Tickets are limited, so act fast!

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UNLOCKING THE POWER OF KNOWLEDGE: NATIONAL PRECAST'S WEBINARS AND PUBLICATIONS

In the ever-evolving construction industry, staying ahead of the curve is not just advantageous — it's essential. National Precast, the leading authority in the precast concrete sector, is committed to fostering a safer, more standardised, and sustainable construction environment. As part of this mission, National Precast offers an extensive range of resources designed to enhance the knowledge and skills of industry professionals.

A WEALTH OF INFORMATION AT YOUR FINGERTIPS

National Precast's publications serve as comprehensive guides to the world of precast concrete. From in-depth manuals to concise fact sheets, these resources cover every aspect of precast technology. Whether you're looking to understand the intricacies of precast design, explore best practices in installation, or gain insights from real-world applications, National Precast has you covered. Many of these invaluable resources are

available for free download, making it easier than ever to access expert knowledge.

The Association's case studies are particularly noteworthy, showcasing successful projects from National Precast members. They provide practical examples of how precast solutions can be effectively implemented, offering inspiration and guidance for your next project.

HARNESSING THE POWER OF WEBINARS

In a move to further disseminate knowledge and foster continuous learning, National Precast has introduced a series of webinars and online learning modules. These educational offerings are available on their dedicated platform, National Precast Online, catering to architects, engineers, builders and precast manufacturers.

Sarah Bachmann, CEO of National Precast, emphasises the broad appeal of these webinars. "We're delighted that our webinars are now available not just to members. You now don't need to be a member participate in upcoming webinars - you can find these in the Events area of our main website nationalprecast.com.au), but of course, membership is the most cost-effective solution if a business or individual wants to regularly participate," Bachmann explains.

With webinars scheduled every month, there is

a constant stream of fresh content to learn about precast design, manufacture, and installation.

Among the standout topics are "Innovative Connections in Precast Concrete" and "Safe Lifting Practices". These webinars delve into critical areas of precast construction, offering attendees the chance to learn from industry experts.

"There's also one about the industry's main standard, AS 3850, and we've made that one freely available," says Bachmann.

ON-DEMAND LEARNING

For those who prefer learning at their chosen time or their own pace, nearly twenty past webinars are available for purchase on National Precast's online education portal, nationalprecastonline.com.au. This extensive library ensures that even the busiest professionals can stay up-to-date with the latest developments in precast concrete.

By combining authoritative publications with dynamic webinars, National Precast is leading the charge in education and training within the precast industry.

Whether you're an industry veteran or new to the field, these resources are invaluable tools for achieving excellence in your projects.

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