

ADJUSTING PRECAST DELIVERY

MAJOR INFRASTRUCTURE PROJECTS RARELY RUN IN PERFECTLY STRAIGHT LINES, AS RECENT WORKS BY A NATIONAL PRECAST MEMBER ON THE WESTERN SYDNEY INTERNATIONAL AIRPORT EXEMPLIFY.

Timelines shift, staging changes, and contractors are often required to adjust quickly as broader project conditions evolve. For suppliers, the challenge is not simply manufacturing components on time, but ensuring production remains aligned with what is actually happening on site.

National Precast member Ozcast encountered this challenge during its involvement in the Western Sydney International Airport Landside Civil and Building Works project.

Working with the AeroWest Joint Venture, comprising BMD Construction and Seymour Whyte, Ozcast supplied 920 linear metres of precast concrete parapets for the landside infrastructure works at Badgers Creek.

The new airport is scheduled to commence operations in late 2026 and forms part of the broader Western Sydney Aerotropolis development.

WHEN PROJECT TIMELINES CHANGE

Initially, project timelines required rapid early production of the parapets to support the construction program. Ozcast prepared to increase manufacturing output accordingly.

However, as delays affected parts of the broader project, continuing full-speed production risked creating unnecessary storage, transport and coordination issues before installation could occur.

Rather than simply continuing manufacturing to the original schedule, Ozcast worked closely with the AeroWest team to progressively adjust production pacing as project conditions changed.

The approach allowed parapet production to continue steadily while maintaining flexibility to scale manufacturing up again if required. In large civil and infrastructure projects, this type



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of coordination is often just as important as manufacturing capacity itself.

MANAGING DOWNSTREAM PRESSURE

Producing components too early can create downstream pressures across transport, storage and site access, particularly on projects involving multiple contractors and overlapping work fronts.

For Ozcast, the focus became maintaining alignment between manufacturing output and the realities of site delivery.

The project also reflects the broader level of infrastructure activity surrounding Western Sydney International Airport.

Alongside the airport works, Ozcast has also supplied precast elements for major connecting infrastructure projects linked to the airport precinct, including the Sydney Metro viaduct works and the M12 corridor connections servicing the new airport network.

This included the manufacture of approximately 2500 parapets and 104 panels for the Sydney Metro viaduct works connected to the airport corridor.

FLEXIBILITY SUPPORTING PROJECT DELIVERY

While precast elements themselves are only one component within these major

infrastructure developments, the project highlights how important flexibility and coordination have become across modern infrastructure delivery. As staging conditions and program timelines evolve, manufacturers are increasingly required to work closely alongside contractors and project teams rather than simply supplying materials.

The Western Sydney International Airport project demonstrates that successful precast delivery is not defined solely by manufacturing speed or output, but by the ability to adapt as project conditions change.

By working closely with the AeroWest

Joint Venture and adjusting production in line with changing site conditions, Ozcast helped reduce downstream pressure while maintaining continuity across the broader delivery program.

As major infrastructure projects become increasingly staged and interconnected, this type of coordination is becoming an essential part of keeping projects moving efficiently. When speaking to the

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organisation's relationship with National Precast, Barry Lindsay, Precast Manager – Ozcast says the industry is united when it comes to achieving collective goals that could benefit not only contractors, but also the wider public.

"Being a National Precast member keeps us connected to the wider precast industry and helps us stay aligned with best practice, innovation and quality standards. We are proud to support an organisation that actively promotes and strengthens the Australian precast industry," he says.

"National Precast provides valuable industry advocacy, technical resources and networking opportunities. It also helps showcase the capabilities of the precast industry and its members, which benefits the sector as a whole.

"We look forward to continuing to work alongside National Precast to promote the benefits of precast construction and support the ongoing growth and development of the industry."



Ozcast has emerged as one of the leading providers and installers of precast concrete components.



Ozcast was able to customise its delivery timelines and methods to satisfy project requirements.



These works contributed to the delivery of major connecting infrastructure in Sydney.