

WOLLONGONG STATION LIFT UPGRADE

Maintaining station operations throughout construction, Degnan delivered the replacement and upgrade of two critical passenger lifts, enhancing accessibility, reliability and long-term asset performance within a live operational rail environment.



SECTOR

Rail

LOCATION

Wollongong, NSW
Dharawal Country

CLIENT

Sydney Trains

PROJECT VALUE

\$1.2M (approximate)

PROJECT COMPLETION

December 2023

DELIVERY MODEL

Construct

Engaged by Sydney Trains, Degnan delivered a comprehensive lift renewal project to replace and upgrade Lifts 1 and 2 with new Machine Room-Less (MRL) lift technology. Designed to improve accessibility, reliability and long-term performance, the project included the removal of the existing lifts and installation of new lift infrastructure while maintaining station operations throughout delivery.

KEY OUTCOMES

- Successfully dismantled and removed two existing passenger lifts and delivered upgraded replacement lift systems
- Installed new MRL lift technology to improve reliability and long-term asset performance
- Upgraded lift communications, alarm monitoring and electrical infrastructure
- Installed new mechanical ventilation systems and associated structural modifications
- Completed glazing, façade, shaft wall rectification and architectural improvement works
- Successfully tested, commissioned and integrated the new lifts into the existing station environment

CHALLENGES OVERCOME

- Delivered the lift replacement works within a live operational rail environment while maintaining full station operations.
- Coordinated demolition, structural, mechanical, electrical and communications works within a constrained station environment.
- Maintained safe passenger access throughout delivery through extensive planning and coordination with station staff.
- Integrated new lift infrastructure with existing station systems, including power, communications, alarms and CCTV.
- Managed complex installation, testing and commissioning activities while minimising disruption to customers and station operations.