

GOSFORD STATION LIFT UPGRADE

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



SECTOR

Rail

LOCATION

Gosford, NSW
Gungahlin and Darkinjung
Country

CLIENT

Sydney Trains

PROJECT VALUE

\$1.2M (approximate)

PROJECT COMPLETION

December 2023

DELIVERY MODEL

Construct

Engaged by Sydney Trains, Degnan delivered the replacement and upgrade of Lift 2 with new Machine Room-Less (MRL) lift technology. MRL lifts eliminate the need for a traditional lift machine room, improving space efficiency, maintainability and long-term operational performance. The project included the removal of the existing hydraulic lift and installation of new lift infrastructure together with associated building, structural, mechanical, electrical and communications works

KEY OUTCOMES

- Replaced the existing hydraulic lift with a new Machine Room-Less (MRL) lift system
- Improved accessibility, reliability and long-term asset performance
- Upgraded lift power, communications and alarm systems
- Installed new mechanical ventilation infrastructure and associated shaft modifications
- Completed structural, architectural and façade improvement works associated with the lift renewal
- Successfully tested, commissioned and integrated the new lift into the operational station environment

CHALLENGES OVERCOME

- Delivered the project within a live operational rail environment while maintaining station operations and passenger access
- Managed construction activities on an island platform, requiring careful staging of deliveries and materials handling
- Coordinated delivery and removal of major lift component through rail possessions, hi-rail access and non-peak work periods
- Maintained safe pedestrian access through temporary hoardings, signage and carefully managed work zones
- Coordinated demolition, structural, mechanical, electrical and communications works within a constrained station environment while minimising customer disruption.