

BROADMEADOW MAINTENANCE CENTRE

Degnan delivered a comprehensive facility upgrade at the Broadmeadow Maintenance Centre for Sydney Trains, replacing ageing roofing, building services and associated infrastructure across maintenance Roads 1, 2 and 3.



SECTOR Rail

LOCATION
Broadmeadow, NSW
Awabakal Country

CLIENT
Sydney Trains

PROJECT VALUE
\$2M (approximate)

PROJECT COMPLETION
December 2023

DELIVERY MODEL
Construct

The works included replacement of roof sheeting, gutters, fascia purlins, insulation and flashings, together with HVAC fans, vents and louvres. Degnan also completed associated repairs and upgrades to roof access, fall-arrest infrastructure, electrical lines and other roof-mounted equipment. The project continued Degnan's history of delivery at Broadmeadow, following works completed on the Broadmeadow Roundhouse in 2006 to enable the storage of heritage trains.

KEY OUTCOMES

- Renewed roofing infrastructure across maintenance Roads 1, 2 and 3, including roof sheeting, gutters, insulation, flashings and downpipes.
- Upgraded building services, including replacement of roof fans, vents, louvres, roof shutters and associated electrical lines.
- Improved roof access and safety infrastructure through works to fall-arrest attachment points, associated wires and roof walkways.
- Addressed deteriorated roof elements, including cleaning rust from hot-rolled purlins and replacing rust-damaged fascia purlins.
- Complementing the Roundhouse upgrades Degnan completed in 2006.

CHALLENGES OVERCOME

- Coordinating roof replacement with existing HVAC, electrical, access and safety infrastructure.
- Addressing corrosion and deterioration in existing purlins and roof components as works progressed.
- Integrating replacement fall-arrest systems and roof access infrastructure with the upgraded roof.
- Providing additional walkway access above office and store areas to reduce buckling of roof sheeting.
- Managing the removal and replacement of multiple interconnected roof elements as part of the broader facility upgrade.