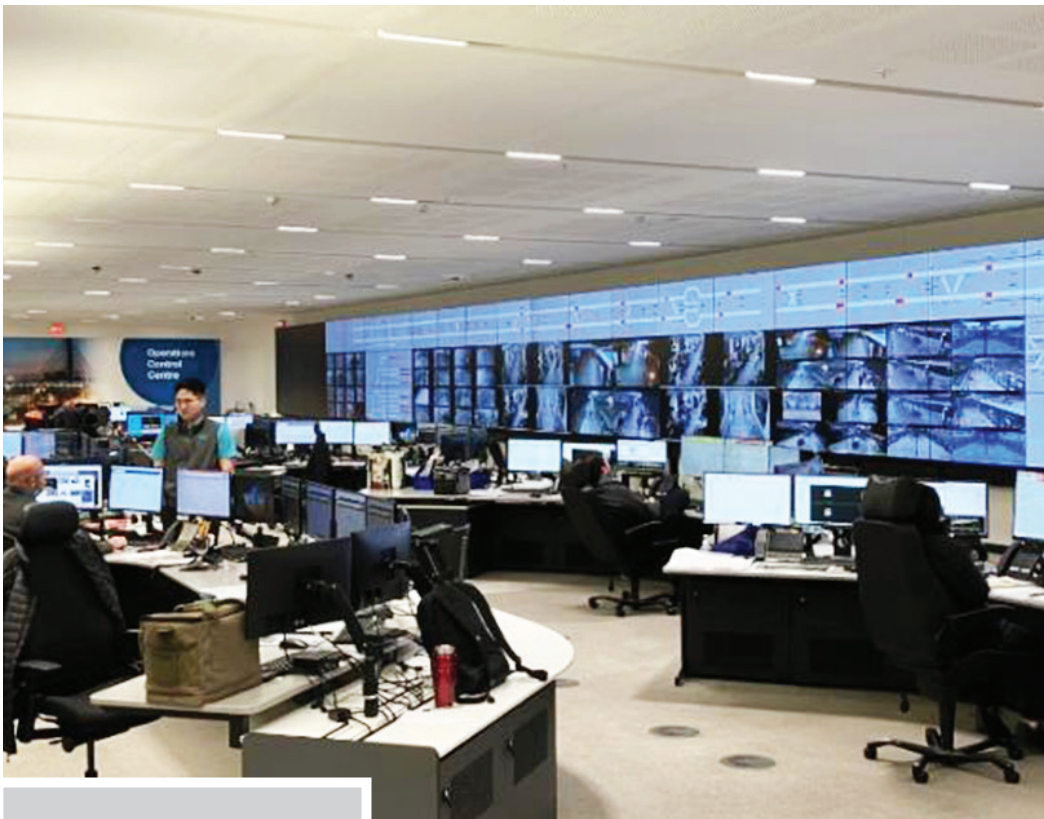


OPERATIONS CONTROL CENTRE EXPANSION

Degnan delivered the Operations Control Centre expansion to support Sydney Metro's extension into the City & Southwest, providing the space and infrastructure required to manage the extended network.



SECTOR
Transport Infrastructure

LOCATION
Rouse Hill, NSW
Darug Country

CLIENT
Sydney Metro

PROJECT VALUE
\$13M (approximate)

PROJECT COMPLETION
August 2023

DELIVERY MODEL
Design & Construct

Operating 24/7, the OCC provides centralised monitoring and control of the Sydney Metro network. Degnan's multidisciplinary scope included electrical, mechanical, fire, hydraulic and fit-out works, together with interfaces to existing data rooms and supporting infrastructure.

KEY OUTCOMES

- Expanded the OCC to support the operation of the Metro North West and Sydney Metro City & Southwest lines.
- Delivered the design, construction and systems integration required for the expanded facility.
- Completed electrical, mechanical, fire, hydraulic and fit-out works within a live operational environment.
- Integrated new infrastructure with existing OCC systems and operational data rooms.
- Delivered an external mechanical enclosure and transformer generator unit.
- Created additional capacity for the continuous monitoring and control of the expanded Sydney Metro network.

CHALLENGES OVERCOME

- Delivered construction and systems integration works while the OCC continued supporting 24/7 metro operations.
- Managed interfaces with live data rooms and existing operational systems.
- Coordinated electrical, mechanical, fire, hydraulic and fit-out disciplines within a tightly controlled operational facility.
- Maintained safe access and minimised disruption to ongoing OCC activities.
- Integrated new services and infrastructure with the existing facility while maintaining design cohesion and long-term maintainability