

# WESTCONNEX M4-M5 LINK TUNNEL



**WestConnex is a 33-kilometre predominately underground motorway scheme in Sydney, New South Wales, Australia. The M4-M5 Link Tunnels is the first stage of the M4-M5 Link which connects the New M4 to the M8.**

**Client:** Acciona Samsung Bouygues

**Year:** April 2020 - May 2022

**Product/Service:** Electrical & Instrumentation

## Scope of Work

- Construction planning and progress reporting.
- Design review and change recommendations.
- EnerMech implemented our own Quality Assurance documentation and system.
- Tunnel and Open Route Electrical system installation.
- Cable Containment systems including crown, sidewall ladder, traverse ladder and cross passage ladder installations.
- Through cabling, sub main cabling, sub circuit cabling.
- Terminations and testing.
- Communication system installation and testing.
- ITS (Intelligent Transport systems) Installation. RAG's, ISLUS/TMS signage, Moveable median strips and CCTV systems.
- AVIDS (Automatic Vehicle Incident Detection system) camera installation and testing.
- Low point sump installation.

- Tunnel lighting and emergency lighting.
- Cross passage equipment installation and testing.
- Traffic lights installation and testing.
- Boom gates installation and testing.
- Procurement and logistics.
- Seismic bracing.

## Project Delivery

EnerMech's experienced project team transitioned from the WestConnex M4E tunnel and New M5 tunnel to the WestConnex M4-M5 Link tunnel project providing the client a dynamic, experienced tunnelling team, comprehensive lessons learnt and peace of mind to the Client of EnerMech being a proven tunnelling contractor.

EnerMech implemented a family friendly roster to ensure the wellbeing of our people and ensuring the projects efficiency and productivity remained to a high level.

## Key Benefits Delivered

- Proven and experienced tunnelling team implementing lessons learnt and known installation rates.
- Mobilised 200+ tunnel experienced electricians and specialised trades to deliver significant scope growth.
- EnerMech's ability to manage Industrial Relations ensured there was no lost time or inefficiencies on the project.
- Provided the Client design and constructability review and advice.

