

METRO TRAINS LEVEL CROSSING REMOVAL PROJECT MENTONE TO CHELTNAM RAIL UPGRADE



The Victorian Government is removing nine dangerous and congested level crossings and rebuilding five stations along Melbourne's busiest train line, the Cranbourne-Pakenham line. EnerMech were engaged to perform Electrical and Instrumentation works on the Mentone to Cheltenham Line.

Client: Coleman Rail Lend Lease
(Southern Program Alliance)

Year: Feb 2020 - Sept 2020

Product/Service: Electrical & Instrumentation

Scope of work

EnerMech's scope included but not limited to following services:

- Earth Grid Installation
- Earth Grid Testing and Commissioning
- Installation and Commissioning of HV XIRA Switchgear
- Fibre and Communications Installation and Commissioning
- CCTV Systems
- High Voltage Cable Installations
- High Voltage Cable Terminations
- High Voltage Cable Testing
- High Voltage Transformer Testing
- RMU installation
- Lighting Installation
- Punch listing
- Temporary power

Project Delivery

The EnerMech Project Management team were able to save SPA thousands of dollars and limit the amount of time the train services were required to be offline.

By forward planning, EnerMech presented the client an alternative solution to perform a number of our HV terminations safely, by connecting 1 end only and remained under full isolations. This meant that when the train service was shutdown, EnerMech had limited works to complete and were able to bring the train service back on line approximately 8 hours earlier than planned.

This forward thinking was soon adopted by the client and used multiple times across the duration of the project.

Key Benefits

EnerMech's safe approach to reducing the downtime of passenger trains was praised by the client. The team were recognised for their forward thinking and were awarded additional scope.

From this, EnerMech was asked to perform works direct with Metro Trains to assist with commissioning duties. We have now formed strong and rewarding relationships with the end user and will continue this with future projects.