

BALLARAT RAILWAY SERVICE CENTRE

ALSTOM purchased the Ballarat Railway Service Centre in October 1999 to carry out manufacture of new passenger and freight rolling stock, refurbishment of existing rollingstock, wagon building, and component and bogie overhaul for the Victorian rail industry.

HISTORY

The facility began operation in 1917 with 100 men repairing wagons and locomotives for the Victorian Railways. For 82 years, the Victorian Railways and later the Public Transport Corporation used these workshops as a major manufacturing centre.

Today, under ALSTOM's ownership, the Ballarat Workshops are the manufacturing, reconditioning and component overhaul centre for Melbourne's train and tram networks, V-line Passenger, Freight Australia and CFCL Australia.

The facility is one of the few of its kind to be quality accredited to the Australian Standard AS/NZS 9001

and safety accredited to the NSCA Five Star Health and

Safety Management System. It also holds Defence Department supply approval.

Over the last ten years, more than 100 apprentices have been employed on a variety of trades, working towards their qualifications as electricians, boilermakers, fitters and turners, carpenters, painters and upholsterers.

ALSTOM currently employs 140 people at the site which continues to be an asset to ALSTOM and to the city of Ballarat. Twenty-nine new three-car X'TRAPOLIS suburban trains are currently being assembled at Ballarat for Connex.

FACILITIES AND PRODUCTS

CARRIAGE SHOP

Facilities

- Vehicle lifting
- New build layout

- Main line access
- Spray booth
- Line-side storage
- Products
- Major EMU refurbishment
- New build fit-out
- Wagon build
- Unit overhaul

CARRIAGE PREPARATION

Facilities

- 60m x 8m area
- 25m pit
- Rail access to main line
- Products
- DMU testing
- Wagon paint preparation
- Comeng paint preparation
- Freight overhaul



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VEHICLE PAINTING

Facilities

- 30m x 8m area
- Access doors 4.2m x 4.5m
- Gas fired
- Bake cycle for rapid cure
- Recent capital upgrade

Products

- Road vehicles
- DMUs
- Comeng interior and exterior
- Wagon and freight

MECHANICAL OVERHAUL

Facilities

- 120m x 20m area
- Extensive test bench facilities
- High voltage testing
- Set up for mass production

Products

- Air compressor overhaul
- Brake cylinder overhaul
- Air gauge and brake overhaul
- Shock absorber overhaul
- Pantograph overhaul
- Full calibration



ELECTRICAL SHOP

Facilities

- 50m x 24m area
- Overhaul facilities
- Electrical testing, including high voltage testing

Products

- Traction equipment overhaul and re-wire
- Electrical equipment overhaul including grids, contactors and relays
- Component overhaul
- Trains, locomotives, trams

MACHINE SHOP

Facilities

- Overhead crane 10t
- CNC lathes
- Machining centres
- Heat treatment
- Jig and tool manufacture

Products

- Rollingstock components
- Pins/bolts/bushes
- Bogie components
- Bolsters
- Signalling equipment



METAL FABRICATION

Facilities

- Overhead cranes 2x15t, 1x15t
- CNC plasma cutter
- Brake press 300t
- Guillotine, 13mm plate
- Rolling
- Welding

Products

- Steel, aluminium welding
- Stainless steel welding
- Rollingstock components
- Wagon manufacture and repair
- Rollingstock collision repair

VEHICLE MAINTENANCE

Facilities

- Overhead cranes 2x50t
- Engine lift
- Vehicle pits

Products

- Carriage repairs
- Sprinter overhaul
- Car crash repairs
- Gearbox overhaul
- Engine overhaul
- Bogie overhaul



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