

Pakenham East Depot

Built by Downer using 90% local content and recognised for sustainable and environmental excellence in 2022.

Melbourne's bigger, better High Capacity Metro Trains are maintained at the largest, most technologically-advanced and sustainable train maintenance facility in Australia, and possibly the world.

Downer has expertise in developing and upgrading state-of-the-art depots that include maintenance and overhaul facilities, stabling yards, and cleaning and bio wash facilities. Our depots provide the capacity, technology and design to deliver major and mid-life refurbishments of rollingstock. We leverage the insights of our in-house operators and maintainers to design and deliver depots with efficient operations and maintenance practices in mind.

Downer
Relationships creating success

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Downer is part of the Evolution Rail Consortium, which is partnering with the Victorian Government to deliver 70 new High Capacity Metro Trains (HCMTs) and a range of ancillary activities to support the trains' maintenance and operation.

As the first all-new train design in Victoria for nearly 20 years, a critical component of this city-shaping project is the new depot in Pakenham East where testing and maintenance occur.

The 118-hectare site has maintenance capacity for 80 trains – the largest of its kind in Australia. Its stabling yard accommodates 30 trains including other rollingstock, making operations exceedingly flexible.

Downer constructed the Depot using 90 per cent local content.

The Depot was completed in 2018 and in May 2022, it was awarded the Infrastructure Sustainability Council's (ISC) Commended Award for the 'As Built' category. ISC also recognised the Depot's Integrated Test Facility (ITF) as a sustainable innovation for its predicted 40 per cent productivity increase and CO2 reductions.

In September 2022, the Depot was awarded Sustainability and Environmental Excellence at the Australasian Rail Industry Awards.



Key features of one of the most efficient train maintenance regimes in Australia, include:

- Energy savings of 23 per cent due to efficient design of buildings, HVAC, hot water, lighting and solar
- Water savings of 46 per cent due to efficient train wash and other appliances
- 77 per cent of potable water replaced with non-potable and recycled water
- 13 per cent enhancement of biodiversity through local weed control and vegetation enhancement
- World-first use of Downer's Toneseal asphalt product, made from recycled toner cartridges, in the temporary carpark
- Savings of 115,000kg CO2-e over its life, decreasing noise impacts and increasing productivity from the ITF.

