Achieving 99.6 per cent availability for Australia's largest fleet of passenger trains.

The Waratah fleet is the pride of Sydney's network, delivering unprecedented reliability, availability, safety and comfort. Downer has delivered a total of 119 Waratah trains for the New South Wales Government, across Series 1 and Series 2 trains, making it the largest fleet of passenger trains in Australia, serving the largest suburban network.

Our Waratah fleet is one of our flagship projects, consistently achieving 99.6 per cent availability and maintaining Mean Distance Between Incidents at more than 50,000 kilometres, which was achieved ahead of the predicted reliability growth. From January 2016 to October 2022, Downer has maintained an average of more than 103,000 kilometres for Mean Distance Between Incidents.

Downer
Relationships creating success

Achieving 99.6 per cent availability for Australia's largest fleet of passenger trains.

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In 2019, Downer achieved the fastest roll out of a passenger train fleet in Australia's history, delivering 24 world class Waratah Series 2 trains in 31 months.
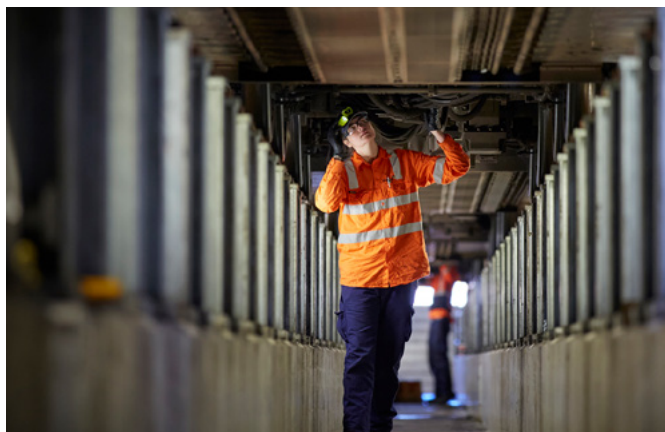
At the Auburn Maintenance Centre, our team of approximately 300 people, including 18 apprentices, manages the reliability, safety and comfort of the Millennium and Waratah fleets. We put more than 140 trains into service every day for the people of Sydney, and are contracted to continue delivering through-life-services for the next 20-plus years.

How Downer regularly achieves 100,000 kilometres between Mean Distance Between Incidents

The Waratah fleet is renowned for its unprecedented reliability, availability, safety and comfort for the passengers of Sydney.

From January 2016 to October 2022, Downer has maintained an average of more than 103,000 kilometres for Mean Distance Between Incidents. To achieve more than 100,000 kilometers, Downer's industry-leading team has utilised digital innovations to deliver a step change in predicative and routine maintenance.

Downer's TrainDNA is a complete suite of applications and asset management services that underpin our end-to-end through-life-support. It combines data capture, real-time processing and our smart analytics platform to enable data-driven decision making to improve efficiencies in fleet maintenance.

Examples of how TrainDNA optimises fleet maintenance to deliver increased reliability include:

1. Maintenance management: efficiently and optimally manages all aspects of a rollingstock asset, including maintenance tasks, inventory and workforce
2. Operational intelligence: identifies and prioritises an issue on the network and allows us to decide what actions to take in real-time to maximise asset reliability, availability and passenger service
3. Business intelligence: faster investigations, increased conditional maintenance, and increased predictive maintenance leading to optimised maintenance plans
4. Robotics and automation: high risk and labour intensive inspection tasks automated with increased quality and accuracy.

Alongside the digital innovations, our team also undertakes activities that support predictive and routine maintenance:

- Mobile technicians undertaking maintenance on the network
- 60-day routine maintenance at our Auburn Maintenance Centre
- Availability of spare trains.

For more information about TrainDNA visit:
www.downergroup.com/TrainDNA