

Elevated Safety Access Platforms

Wollongong, New South Wales – The NSW Government commenced the More Trains More Services (MTMS) program with an objective to modernise the rail network, offering more frequent train services to reduce wait times and crowding.

As part of the program, the NSW Government invested in new rolling stock which brought about the need to expand stabling yard facilities for storage and cleaning of the additional trains.

Treadwell was engaged by the project delivery contractor to design, fabricate and install non-conductive, non-slip and corrosion-resistant access platforms, known as ESAPs (Elevated Safe Access Platforms) to allow personnel safe and easy access to the trains for cleaning and other maintenance requirements.

Treadwell's composite materials are lightweight and non-conductive, allowing for simple install without heavy equipment and the elimination of earthing and bonding requirements which was a key benefit to the timely and successful completion of the project.



PROJECT INFORMATION

Project Category:	Rail Infrastructure
Scope of Work:	Design and supply safety platforms
Treadwell Products:	EX-Series® GratEX® FRP Square Mesh Grating & Stair Treads ArchitEX™ FRP Structural Profiles RailEX® ROUND FRP Handrails

Treadwell Solution:

- 1 Treadwell's FRP products are constructed from premium resin systems that include corrosion resistant properties and UV inhibitors.
- 2 FRP is naturally non-electrical and non-thermal conductive.
- 3 Treadwell's GratEX® FRP grating has an impregnated grit surface which provides optimal slip resistance that meets the relevant Australian standards.

- 4 Being lightweight, heavy machinery is not required for installation.
- 5 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.