

Port Authority

This Port Authority in Western Australia was established in 2014 as a result of the Ports Legislation Act 2014 consolidating seven of WA's eight port authorities into four new regional port authorities. With a vision of being the global leader in port planning, operations and marine services, this port authority is continuously improving their operations for the benefit of customers, stakeholders and communities.

Treadwell was engaged to supply new handrails as well as an access ramp for this port in WA.

Project Challenges

- The exposed marine environment accelerates corrosion on structures in the vicinity.
- The chosen material for the handrails had to have low thermal conductivity so that it would be safe to use even in high weather temperatures, while remaining robust in the outdoor environment.
- The selected grating had to be anti-slip to ensure safety for users.

PROJECT INFORMATION

Project Category:	Personnel Access
Scope of Work:	Supply FRP handrails and grating
Treadwell Products:	EX-Series® GratEX® FRP Mini Mesh Grating RailEX® ROUND FRP Handrails



Treadwell Solution:

- 1 With a proven track record of performing beyond expectations in similar environments, Treadwell FRP products provide durability and dependability.
- 2 RailEX® ROUND handrails are assembled using a zero-weld method of putting the system together, which greatly reduces the chance of corrosion.
- 3 RailEX® is the choice alternative to metallic handrails and offers electrical transparency, while being non-conductive in nature.
- 4 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.
- 5 Being lightweight and easy to install, FRP is very manageable during construction.
- 6 Given the nature of FRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.