

Darwin Navigational Aids



Particular attention must be paid to the maritime environment because the sea is amongst the most hostile of all environments. It must be ensured that the performance of a chosen material will be adequate both during the construction phase of a project and later during the operational phase when it may be subject to quite different conditions.

The sea will rapidly exploit any weakness, either in the material itself or in the way in which it is employed. It is the aggressiveness of the maritime environment which makes the durability of a potential construction material one of the primary properties to be considered.

This is where Treadwell comes in with a ready-made solution

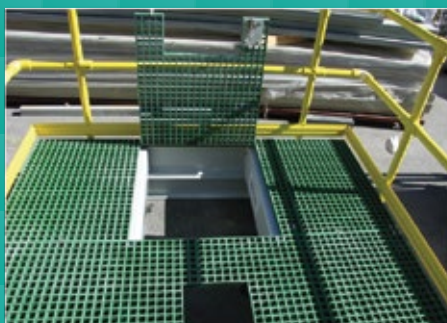
Project Challenges

- Coastal corrosive environment.
- Difficulty in setting up and laying of structure as it was highly dependent on weather and terrain.

PROJECT INFORMATION

Project Category:	Navigational Marine Structures
Scope of Work:	Safe access to lookout point
Treadwell Products:	ACCESS SYSTEMS GratEX® FRP Grating ArchitEX™ Structural Profiles
Total Project Value:	\$ 75,000

Treadwell Solution:



1

Treadwell's marine structures are constructed from our GratEX® FRP grating that comes with an anti-slip surface, providing superior slip resistance in most environments.

2

ArchitEX™ structural components, LadderEX® ladders and RailEX® handrails are used for the structure of the platform to construct a dependable and safe navigational aid.

3

The standard colours of the system can be made to match that of the requirements of marine navigation.

4

All Treadwell FRP components are manufactured from our EX-Series® resin systems, all of which are known for their anti-corrosion nature.

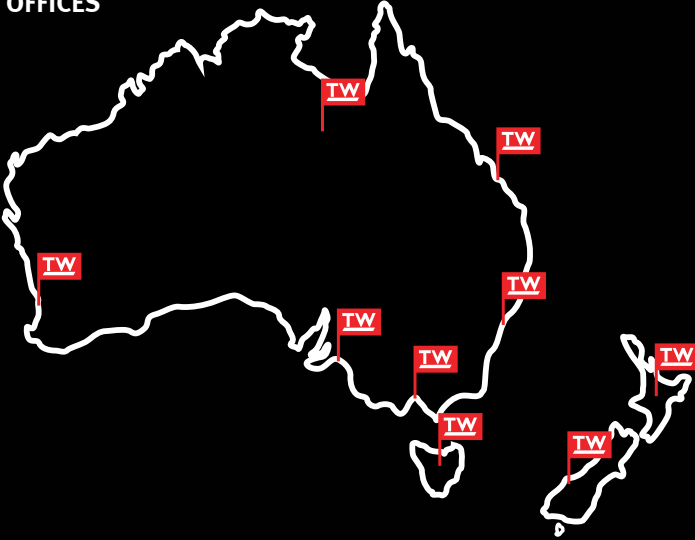
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Being lightweight and easy to install, FRP is very manageable during construction.

6

Any system utilising FRP is virtually maintenance free, thus keeping maintenance costs as low as possible.

OFFICES



ABOUT TREADWELL

At Treadwell Group, our core business divisions have been developed utilising the latest fibreglass reinforced plastic (FRP) technology. With constant innovation and evolution of our offerings, we grow in competence with each experience in delivering unparalleled solutions to a diversified index of industries which include the water and wastewater, mining, oil and gas, public infrastructure and marine sectors. The progression of our products has been focused on ensuring extended design life in varied applications, enabling us to support our continuing commitment to satisfy and add value to our client's endeavours.

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