

Gold Mine Facility

With production of around 700,000 ounces of gold each year and a reserve of close to 7 million ounces, this gold mine facility sees processing past 2030. Ability for mineral processing to match the capacity to produce such volume often gets diminished over time with structures being eroded.

This brings Treadwell into the fold with products made from fibreglass reinforced plastic (FRP). Treadwell's EX-Series(R) resin systems can be utilised or tuned to fit the task at hand - to enable a more durable yet structurally sound support to facilitate demand and supply at a more reliable pace.

For this support structure, Treadwell provided our GratEX FRP grating, RailEX ROUND handrail system as well as ArchiTEX structural profiles.

Project Challenges

- The old platform/pump support structure had gotten rusted
- Due to the corrosive nature of process, steel was not a preferred option
- The site was such that it offered limited crane access so the material of choice ideally had to be one that could be transported without a crane
- Cost of the project was a critical factor and FRP was cheaper than high coat spec steel

PROJECT INFORMATION

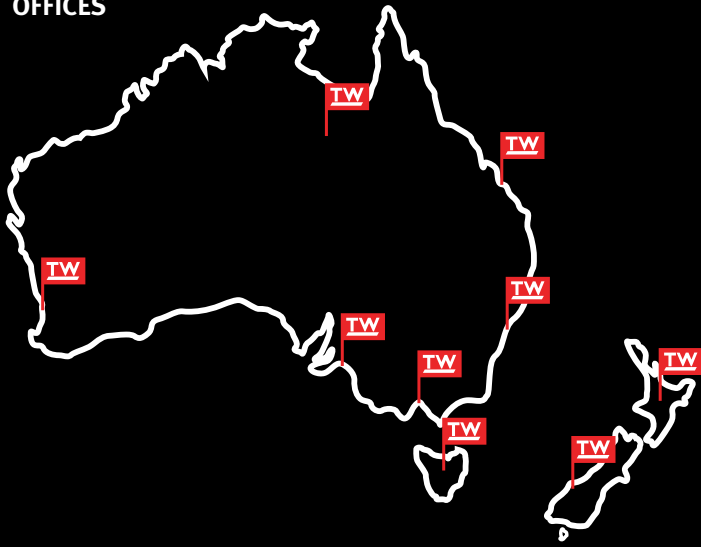
Project Category:	Gold mine facility
Scope of Work:	Replacement of access and Warman pump support structure in a highly corrosive pump well environment
Treadwell Products:	a. GratEX® FRP Grating b. RailEX® ROUND Handrail c. ArchiTEX® Structural Profiles
Value:	\$20,000 – FRP could be man handled in

Treadwell Solution:



- 1 With Treadwell's FRP structural systems, grating, structural profiles and handrails, the client was assured of durability and performance as Treadwell's FRP is virtually immune to all external corrosion and will not rust.
- 2 Lightweight and boasting almost zero maintenance, it was easy to transport the FRP materials without the need of a crane and install on-site.
- 3 Given the nature of FRP, any system utilising it is virtually maintenance free, thus keeping maintenance costs as low as possible.
- 4 FRP is simply fabricated and modified on site. This means there is no need for any hot works permit.

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, 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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