

## Aquaculture Fish Farm

As a desert climate and environment, water conservation is especially important in Australia. This aquaculture project is a water recirculation system that uses water more than once in the same unit, after it has been treated and renewed. A sustainable farming system, it uses minimal water and energy, thus having minor environmental impact. Specialising in fish farms, these tanks have a network of inlets and outlets designed to ensure the fast removal of waste and uneaten food pellets and provide optimal conditions for the fish.

Treadwell was engaged to supply a combination of decking, structural profiles and handrails in the construction of these tanks.

### Project Challenges

- Indoor marine environment.
- Indoor installation meant that heavy machinery could not be utilised.
- Products would be exposed to a unique indoor climate-controlled environment.

### PROJECT INFORMATION

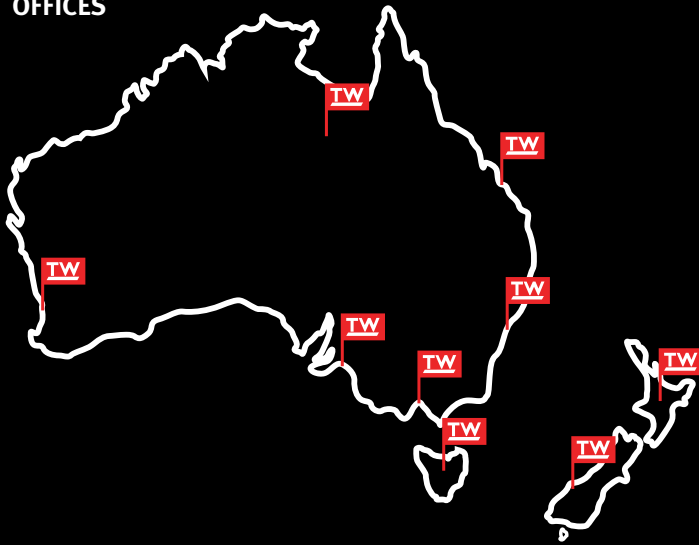
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| Project Category:   | Safe access for staff  |
| Scope of Work:      | Supply FRP products  |
| Treadwell Products: | ACCESS SYSTEMS GratEX® FRP Square Mesh Grating<br>GratEX® Stair Treads<br>RailEX® ROUND FRP Handrails<br>ArchitEX™ Structural Profiles |

### Treadwell Solution:



- 1 A combination of GratEX® panels for the decking, GratEX® stair treads for the steps, RailEX® handrails, and ArchitEX™ structural beams were used to create a complete FRP solution.
- 2 With a proven track record of performing beyond expectations in similar environments, Treadwell FRP products provide durability and dependability.
- 3 Treadwell's ArchitEX™ EXsemble FRP fasteners were utilised to provide a robust and secure solution for this hyper-corrosive installation.
- 4 RailEX® is assemble using a zero weld method of putting the system together, which greatly lowers the chances of corrosion.
- 5 There is no need for any hot works permit when installing Treadwell FRP products. This increases the safety factor by eliminating toxic fumes, welding in wet areas and fire risk hazards.

**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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