

## Sewage Treatment Plant Switch Room Access

Serving a major portion of the Sunshine Coast, this Sewage Treatment Plant was assessed and an immediate need was identified to increase the capacity of the plant. This included upgrades to improve safety, reliability and operability, while taking into consideration future growth requirements.

A range of contractors, each specialists in their respective fields were engaged to provide the necessary infrastructure. As a part of this, Treadwell was selected to supply the specified FRP solution for their electrical switch room.

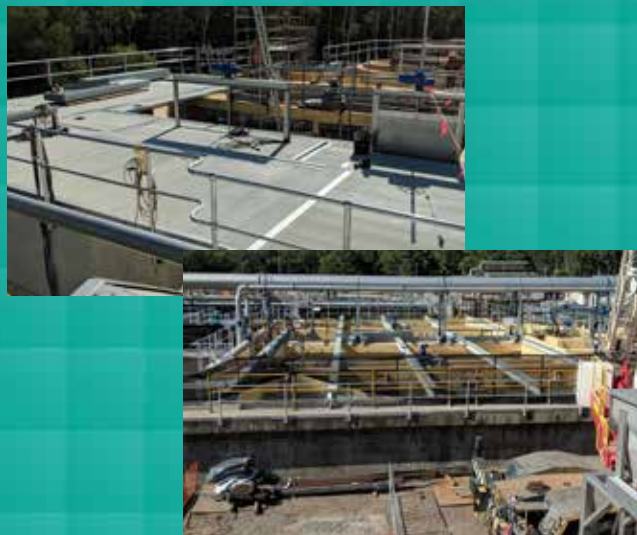
### Project Challenges

- Exposure to highly corrosive fumes and gases.
- Quick, fast and safe access to an electrical switch room was required. Products had to be non-conductive and transparent to radio frequency.
- Working in tandem with multiple contractors demanded that a strict schedule be adhered to.

### PROJECT INFORMATION

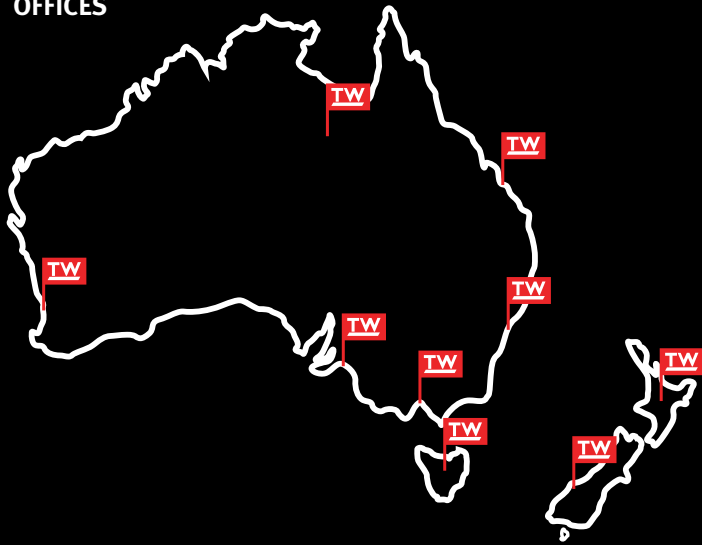
Project Category:	ACCESS SYSTEM for Switch Room at a Sewage Treatment Plant
Scope of Work:	Supply FRP solution
Treadwell Products:	ACCESS SYSTEM GratEX® FRP Grating ArchitEX™ Structural Profiles RailEX® ROUND Handrails

### Treadwell Solution:



- 1 Treadwell's ArchitEX™ FRP structural profiles, EX-Series™ GratEX® FRP grating and RailEX® ROUND handrails ensure durability and performance with built-in corrosion resistant properties.
- 2 Due to the nature of FRP, the products used are non-conductive, which provide electrical safety.
- 3 With ready stock and an established supply chain, timelines were well-managed.
- 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.

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**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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