



2026

TREADWELL™

COMPLETE “Fit & Forget” SOLUTIONS

COMPANY PROFILE

ENGINEERING THE FUTURE IN COMPOSITES

COMPLETE “Fit & Forget” SOLUTIONS



Treadwell History

Treadwell Group is an established name in the Glass Reinforced Polymer (GRP) industry, with a growing footprint in the United Kingdom. As we continue to expand across the UK market, we bring over three decades of technical expertise, project delivery experience, and product innovation to infrastructure and industrial sectors.

Founded in 1994 in Adelaide, Australia, specialising in rubber and industrial flooring, we have evolved into a leading supplier of GRP products and engineered solutions. Having gained a broad history of installation in a wide range of challenging applications, including the rail industry, industrial process plants and waste water treatment plants, to name a few, Treadwell has the experience to help you specify the right resin systems and products.

Our UK operations are supported by our major offices and warehousing facilities in Australia, New Zealand, India, Malaysia, South Africa and the Philippines. This established infrastructure enables us to support the growing UK market with proven systems, technical expertise and dependable logistics. Being a truly global company, we provide expertise and support across industries and time zones.

Our Quality Management System maintains consistency to high levels of care to our clients, and service and product solutions. Treadwell is ISO9001 certified.



Treadwell GRP Water & Wastewater Systems

Offers a range of products designed to manage odour control in the wastewater industry, including odour control covers, baffle walls, access hatches and ducting.



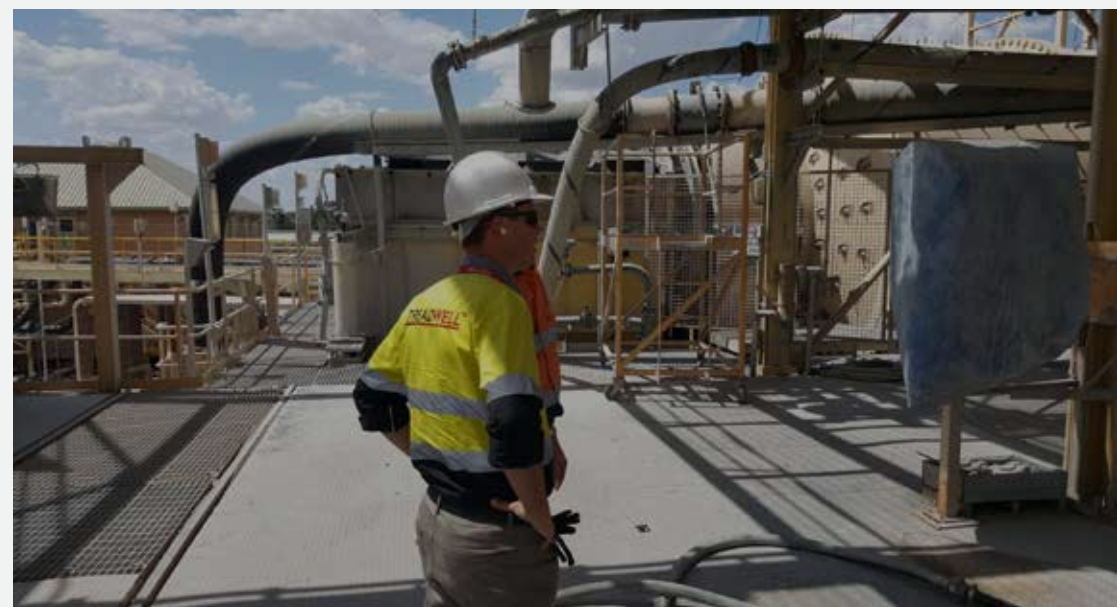
Treadwell GRP Fencing and Grating

Treadwell's GRP Fencing and Screening System is a durable, non-conductive and corrosion-resistant solution ideal for electrically sensitive and harsh environments.



GRP Cable & Instrumentation Management

Treadwell offers an assortment of cable instrumentation systems based on the latest technology with the EXduro™ range. EXduro™ encompasses fibreglass cable trays, instrumentation stands & GRP support accessories.



Professional Design Support

Whether you're looking to upgrade or completely revamp your infrastructure assets, we can help support your design services across all stages of your project lifecycle. Our qualified and experienced engineering team have provided turnkey as well as purely design-based projects. With a knowledgeable team, we are able to provide solutions to fit your requirements.



COMPANY PROFILE

Glass Reinforced Plastic (GRP) is the revolutionary construction material that has untapped potential to reach out into uncharted territories. Its exceptional benefits provide higher returns unmatched by homogenous products or metallic alternatives, with the added advantage of leaving a smaller carbon footprint on the environment.

Treadwell has been applying excellent engineering strategies and design tactics since 1994 to extend both time and cost-efficient solutions to our clients across the globe.

As we grow from strength to strength over the decades, we have further established our speciality in GRP and provide a diverse range of access and structural solutions that are increasingly being used in waste water treatment plants, public infrastructure, marine, rail, utilities and mineral sectors to name a few.

We keep abreast of the competition and adapt in the ever-changing and demanding GRP industry. We actively pursue for techniques that allow us to create quality GRP solutions, which, in turn, help save time and money, and remain 'Innovators of GRP Technology'.

We cultivate a strong culture of innovation and resourcefulness so that we can implement complete 'Fit & Forget' solutions.





"ENGINEERING THE FUTURE IN COMPOSITES and offering COMPLETE **"Fit & Forget"** SOLUTIONS



Vision

Reimagine building materials to advance sustainability and efficiency. Our vision is to lead as innovators in sustainable GRP composite solutions, transforming building materials to inspire meaningful progress and create resilient, future-ready structures for generations to come.



Mission

Providing reliable solutions and building resilient structures



Core Values

With a powerful concentration on growth, the Treadwell attitude and our core values are built around

Future-Focused

We embrace innovative technology and best practices to create solutions prepared for tomorrow's challenges.

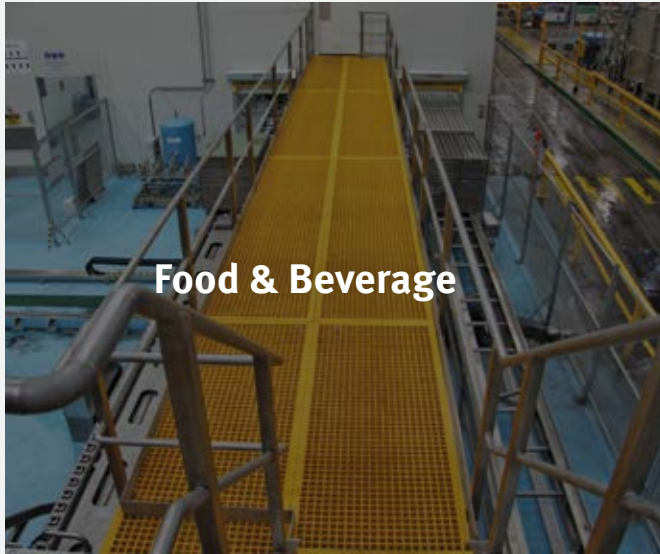
Reliable

Our commitment to the quality ensures we deliver resilient results that withstand the test of time.

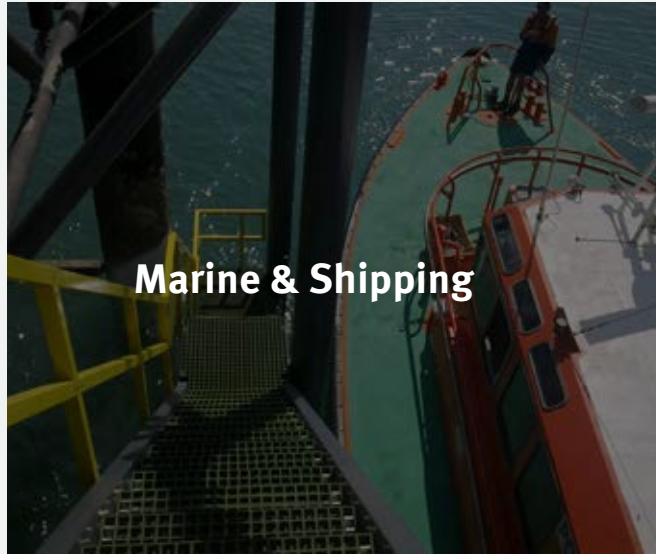
Proactive

Our experiences allows us to anticipate challenges and act proactively to address potential concerns.





Food & Beverage



Marine & Shipping



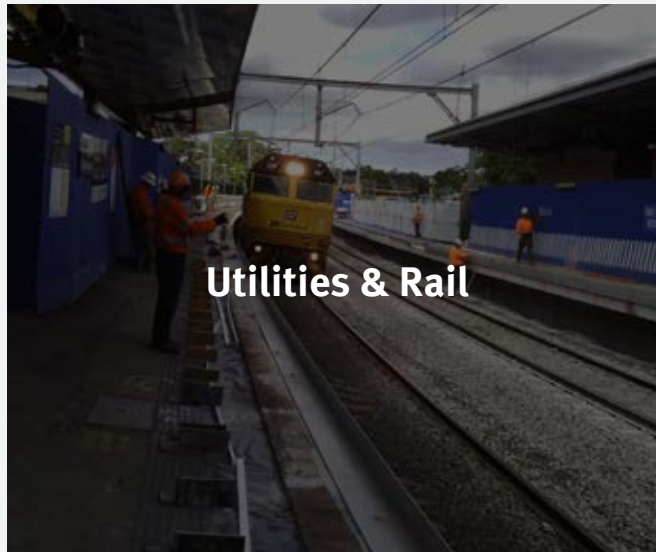
**Mining & Mineral
Processing**

TREADWELL™

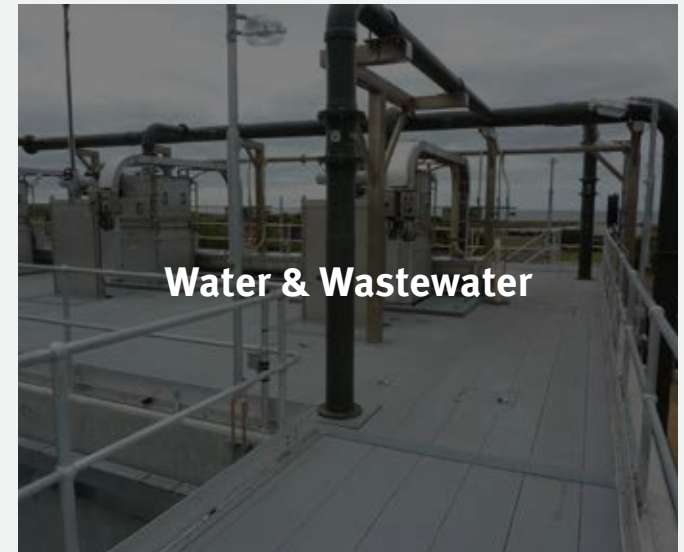
COMPLETE “Fit & Forget” SOLUTIONS



**Oil, Gas &
Petrochemicals**



Utilities & Rail



Water & Wastewater

A photograph of a wooden walkway with a metal grate floor and railings, set against a backdrop of trees and a rocky cliff. The image has a reddish-orange tint. The walkway is made of wood with a metal grate floor and railings. It leads towards a rocky cliff and a body of water. The background is filled with trees and foliage. The overall tone is warm and natural.

TREADWELL

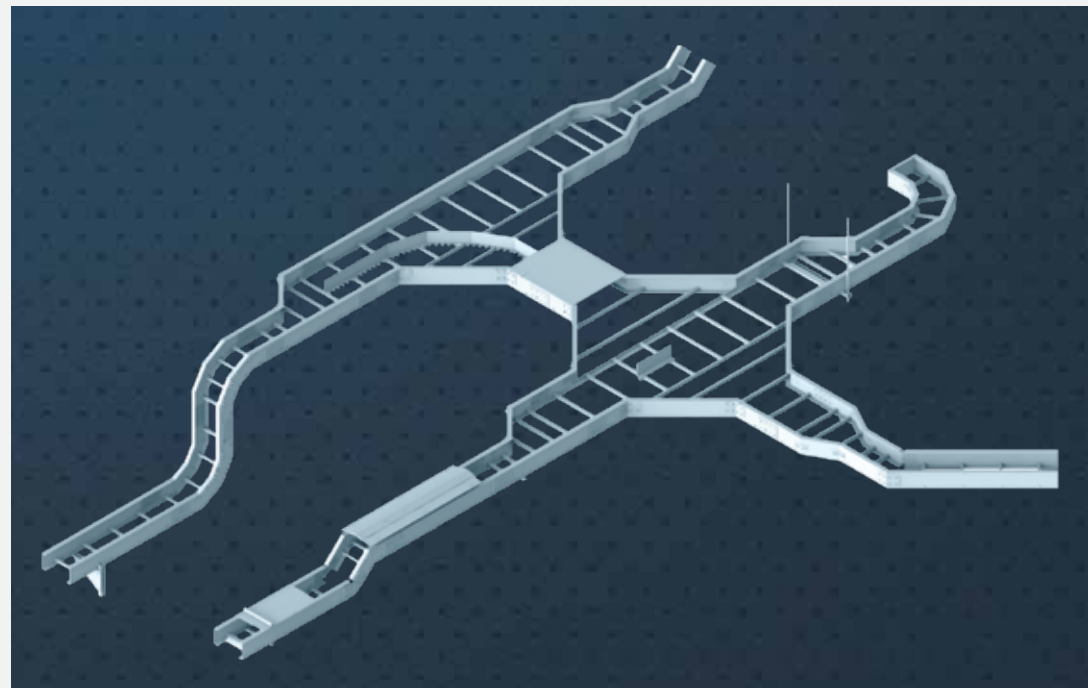
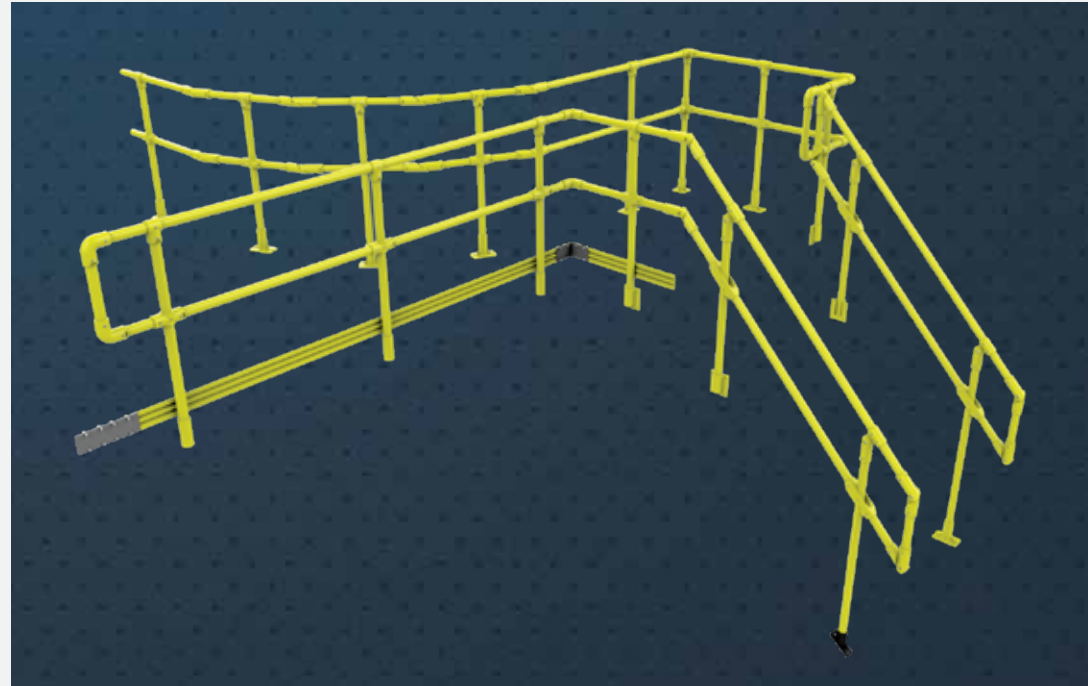
A **MARKET LEADER**
IN THE GRP INDUSTRY.

PRODUCT SYSTEMS EXPERTISE

Treadwell paves the way with product knowledge gained since 1994 to help you with the right product choice, backed up by an extensive product range and library of product information and data to substantiate our recommendations. Our products also adhere to the major International standards for that added peace of mind when interacting with Treadwell.

What we can provide

- Product information
- Case studies
- Material Safety Data Sheet
- International certification
- Instructional and project videos
- Product library





LOCAL & GLOBAL SUPPORT

With a proven track record delivering large-scale projects across Oceania, we apply the same rigour and reliability to the UK market. Our long-standing partnerships with logistics providers, combined with hands-on fleet experience enable us to manage time-critical deliveries efficiently and consistently, meeting the expectations of UK clients.

- We tackle complexity by coordinating and consolidating requirements.
- Our advanced service management assures the consistent global delivery of services and products, along with transparent reporting for project continuity and reduced downtime.
- Wherever your staff are in the world, our high-quality service desk is always there to provide the support they need.

A harbor scene with a modern GRP pier in the foreground and several sailboats in the background. The pier is constructed from grey GRP panels with yellow safety railings. The water is calm, and the sky is overcast. In the background, there are trees and buildings on a hillside.

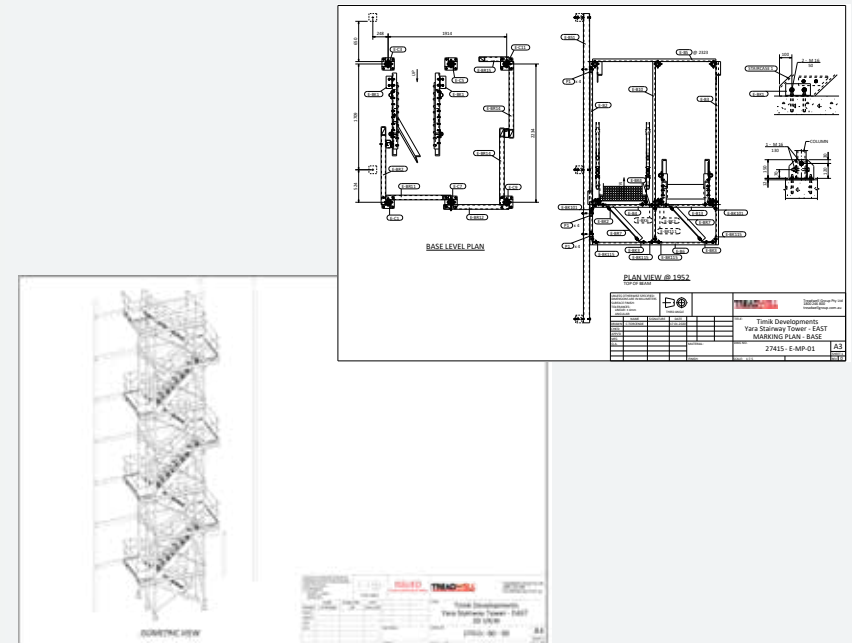
PIONEERING GRP SOLUTIONS

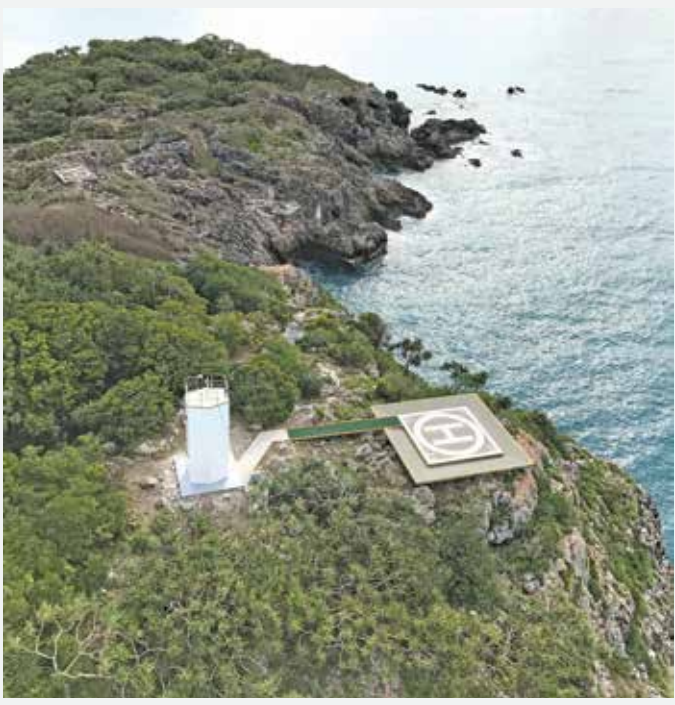
DESIGN & ENGINEERING EXPERTISE

We remain dedicated to leading composites solutions with a progressive future in mind. We have established ourselves to provide expert unbiased advice, ensuring that our clients are offered leading solutions that come from a culture that is forward thinking, responsible and proactive.

Our experienced team of engineers and designers will maximise all GRP components to offer the most cost effective and simplest solution.

- Custom design according to International Standards
- Project concept drawings
- Research and development
- Prototypes
- Constraints and specifications considered
- Estimation of lead time based on design
- Sales proposal and estimation package submitted
- RPEQ expertise / sign off on designs





PROJECT MANAGEMENT

Our engineering and project management teams have expertise for planning, scheduling, budgeting, executing and reporting on projects. We plan from your desired result and what is needed to achieve it in the most efficient and cost effective way while maintaining both relevant

standards and product quality.

- Detailed technical planning documentation
- Project concept drawings
- Testing
- Clear, transparent proposals







SUPPLY OF MATERIALS & FABRICATE

Treadwell's production team can pre-drill according to your specifications while giving advice and support throughout. We can pre-fabricate and assemble all structures in our factory to ensure standards and design are correct prior to delivery.

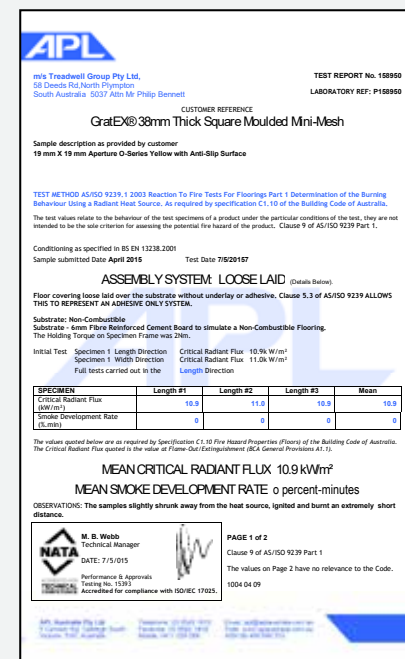
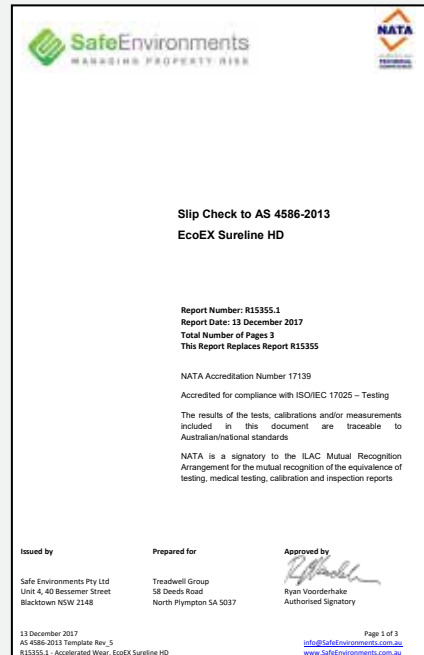


Our solutions are
**RELIABLE, DURABLE
& LONG-LASTING**

TESTING & CERTIFICATION

Treadwell develops our products and systems based on rigorous standards and with ongoing research and development; by practitioners for practitioners.

- Testing
- International Standards.
- Over a variety of industries





EXECUTION & DELIVERY

With our own fleet of vehicles, and strategically located warehouses, we are able to deliver your project quickly. Structures can be delivered partially pre-assembled or as a whole depending on scenario. Where required, we will supply clear instructions on how to assemble onsite correctly and supply MSDS information.





Treadwell’s GRP Water & Wastewater Solution represents a significant advancement in managing environmental and operational challenges within water and wastewater treatment facilities. The range includes glass reinforced plastic tank covers, ducting systems, and baffle walling, designed to improve containment, safety, and overall plant performance.

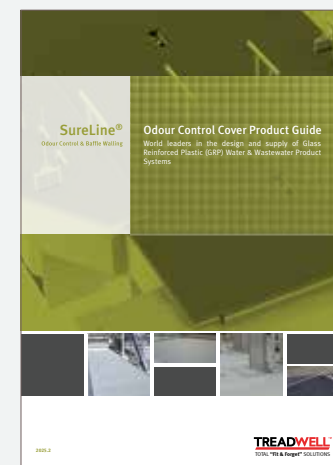
Fabricated from high-strength GRP components, these systems are fully corrosion resistant and engineered to perform in aggressive and chemically exposed environments.

Their lightweight and modular construction enables efficient installation while reducing long-term maintenance requirements. GRP **tank cover** systems are designed with a low-profile configuration and integrated access hatches for ease of operation. Interlocking panels allow for secure, streamlined installation while maintaining an effective seal for odour containment.

GRP **baffle walling systems** offer a durable and space-efficient alternative to traditional materials such as concrete, steel, or aluminium. With significantly reduced thickness, they maximise usable tank volume and can be easily reconfigured to accommodate changing flow conditions.

Applications where GRP tank covers, baffle walling and odour control systems might be used are:

- Odour control
- Splash control
- UV screen / algae barrier
- Improved aesthetics







Treadwell’s Glass Reinforced Plastic (GRP) Fencing and Screening Solution is a durable, low-maintenance system designed for electrically sensitive and highly corrosive environments. Engineered for versatility, it is suitable across a wide range of industries, including substations, rail corridors, marine infrastructure, chemical processing, and mining operations.

Constructed using GRP grating panels, this adaptable fencing and screening solution can be configured from swing gates to sliding gate systems and screen guard systems. It can also be customised with additional security features such as razor hoops or barbed wire for enhanced protection. Designed with inherent anti-climb properties, the system provides a reliable and secure solution for critical infrastructure.

Other benefits include:

- **Non-conductive** – suitable for high-voltage and RF-sensitive environments
- **Corrosion-resistant** – ideal for coastal, chemical, and high-moisture conditions
- **Lightweight and modular** – enabling easy installation and on-site adaptability
- **Minimal maintenance** – designed with integrated pigment; colour will not chip over time, and vandalism can be easily removed







EXduro™ GRP systems are the solution to your cable and instrumentation management challenge.

Manufactured with corrosion resistant properties, **EXduro™** GRP is able to withstand corrosive environments. **EXduro™** has been successfully installed in wastewater treatment plants, mining and mineral processing plants, and the oil and gas industry, to name a few.

GRP Cable Management Systems

The **EXduro™** cable ladder range is replete with a full range of splice plates and covers – also fully constructed from GRP. Because of being entirely fabricated from fibreglass, with the exception of the fixings, this product requires very minimal maintenance even in the harshest of conditions.

GRP Instrumentation Management

Produced using high quality vinylester resin, the GRP **EXduro™** Instrumentation Management Systems do not rust, rot or corrode. As these systems are non-metallic and non-conductive, this makes them extremely simple to implement in environments with strong electrical or magnetic presence.



CASE STUDY

Wanganui Sewage Treatment Plant

The Wanganui wastewater treatment plant in New Zealand needed to be upgraded with a solution that was robust and could capture the odour produced from the plant. As a part of this upgrade, Treadwell worked closely with the mechanical contractor, builder and council to deliver an odour control cover solution using Treadwell's SureLine® HD system. In addition to containing corrosive gases, this project was designed to bear loads allowing safe access across the covers.



PROJECT INFORMATION

Project Category:	Water Infrastructure
Scope of Work:	Design & supply odour control cover system
Treadwell Products:	SureLine® Heavy Duty panels

Project Challenges

- Protection of existing landscape.
- Coastal corrosive environment.
- Difficulty in laying out of the structure on the shifting terrain.
- General construction access in a high traffic public area.

Treadwell Solution:



1

Treadwell's high performance SureLine® HD panels are manufactured from premium grade, corrosion-resistant fibreglass resins.

4

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

2

The panels for this project were designed and customised to meet live load requirements.

5

Given the nature of GRP, any system utilising it is virtually maintenance free, thus keeping maintenance costs as low as possible.

3

GRP is simply fabricated and modified on site. This means there is no need for any hot works permit.



CASE STUDY

Screening

In order to maximise space and prepare for high capacity metro trains, a multi-storey substation was custom designed to be installed in Melbourne's CBD. This would be situated on a narrow strip of land, and had to be constructed within a tight timeframe. Prefabrication technology allowed the substation to be built off site at the same time as the foundation being installed; this saved time and eliminated the potential for weather delays. Consisting of a team of contractors, communication and action had to be precise.

Treadwell was engaged to supply the GRP products for the structure and security perimeter.

Project Information

Project Category:	Substation Utilities Infrastructure
Scope of Work:	Supply GRP Solution
Treadwell Products:	ArchitEX™ Structural Profiles GratEX® GRP Micro Mesh Grating Treadwell GRP Palisade Panel

Project Challenges

- Major concern on electrical conductivity of the fence due to the proximity to the electrified railway line.
- Required material that was transparent to radio frequency.
- Corrosion issues due to the exposed nature of the site.
- Reduce the need for maintenance.

Treadwell Solution:



1

Treadwell's GRP fencing is suited to a wide range of rail applications, especially in areas where stray electrical currents are a concern.

2

GRP Picket Fence is an anti-climb design, providing an added layer of security around the structure it protects. Easily installed on even and uneven ground.

3

GratEX® GRP Micro Mesh grating was selected as it accommodates wind loading concerns while providing a barrier against debris or foreign objects.

4

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

5

Given the nature of GRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.

CASE STUDY

The Gorgon Project, Chevron

Barrow Island, Western Australia – Gorgon is one of the world’s largest liquified natural gas (LNG) projects and the largest single resource project in Australia’s history. Gorgon comprises a three-train, 15.6 million tonnes per annum LNG facility and a domestic gas plant with the capacity to supply 300 terajoules of gas per day to Western Australia.

With a predicted project lifespan of more than 40 years, the development of Gorgon is a legacy in reliable energy supply, environmental management, innovative technology and expertise.

Treadwell was engaged to supply the cable ladders for this facility.



PROJECT INFORMATION

Project Category:	Oil & Gas Facility
Scope of Work:	Supply GRP cable management
Treadwell Products:	EXduro™ GRP Cable Ladders

Project Challenges

- A major challenge was to provide proper safe access to inlet pipes and outlet pits for regular maintenance.
- As the structure would be submerged for long periods of time, the issue of corrosion was a critical one.

Treadwell Solution:



1

Constructed from premium resin systems, EXduro™ GRP Cable Ladders are corrosion resistant, with fire retardant properties, as well as UV inhibitors, making it ideal for this outdoor and corrosive environment.

3

Lightweight and easy to install, EXduro™ is cheap to transport, and doesn't require heavy machinery for installation.

2

EXduro™ Cable Ladders are compliant up to NEMA 20C. This means these are built for long spans, eliminating the need for costly supports, while meeting compliance codes.

4

Given the nature of GRP, any system utilising it is virtually maintenance free, keeping maintenance costs to a minimum.





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