

## Swansea Jubilee Beach Watercraft Access

Swansea, Tasmania – As part of the Lower East Coast Marine Infrastructure project, this boat ramp was redeveloped. Known for being a scenic coastal town and a prime fishing area, this project has improved safety and access to the water for fishers, and boosted recreational fishing and tourism in the area. With a double lane boat ramp, jetty extension and the installation of a breakwater wave attenuator screen, this project has been forecasted to provide economic growth in the area for many decades to come.

Treadwell was engaged to supply the FRP decking, stair treads, structural profiles fenders and wave attenuator screen for these new jetties.

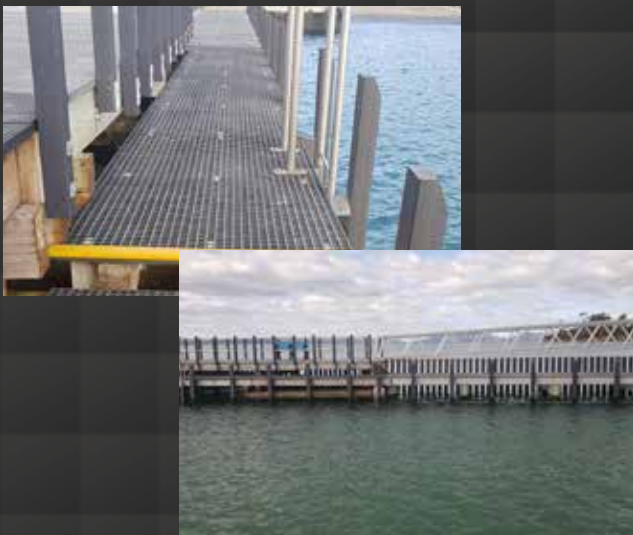
### Project Challenges

- Sections of the structure would be permanently submerged in water. Corrosion resistance was a key consideration.
- Structure had to be able to maintain its structural integrity in corrosive coastal conditions.
- Difficulty in setting up and laying of structure as it was highly dependent on weather and tidal conditions.

### PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Supply FRP products
Treadwell Products:	NatureTREAD™ ACCESS SYSTEMS GratEX® FRP Square Mesh Grating GratEX® FRP Stair Treads ArchitEX™ FRP Structural Profiles ArchitEX™ WPC Fenders and Wave Attenuator System

### Treadwell Solution:



1

As part of the Treadwell NatureTREAD™ range, high performance GratEX® FRP Square Mesh grating and ArchitEX™ FRP Structural Profiles were specified in building the structure as a preferred solution over traditional materials.

2

Treadwell's FRP products are constructed from premium quality resin systems that include corrosion resistant properties and UV inhibitors, and maintain structural integrity even when exposed to extreme weather conditions.

3

GratEX® FRP grating panels offer anti-slip properties for enhanced safety for the user.

4

GratEX® FRP Stair Treads are moulded with the solid leading edge as a joint single component, increasing the rigor and sturdiness of the entire leading edge.

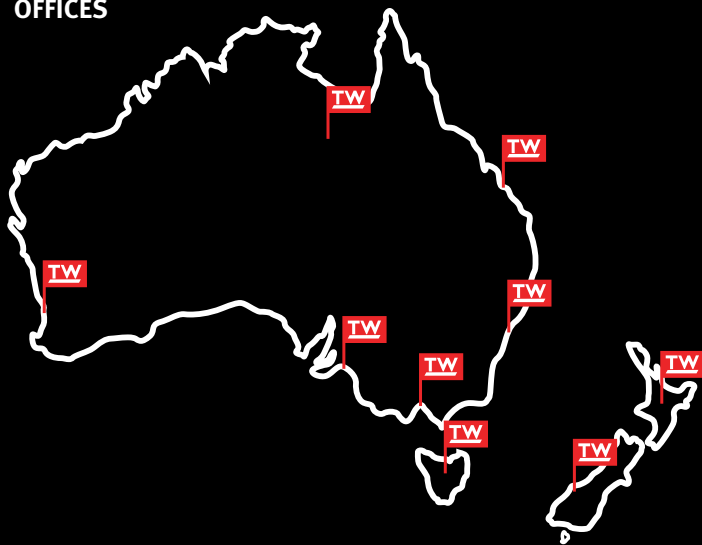
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ArchitEX™ WPC Fenders are manufactured to withstand the sudden impact loads of berthing vessels and also the harsh marine environment.

6

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

## 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.

### Australia

#### SOUTH AUSTRALIA

▶ **ADELAIDE (HEAD OFFICE & WAREHOUSE)**

58 DEEDS ROAD  
NORTH PLYMPTON, SA 5037

▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

22 DUNREATH ROAD  
STRATHALBYN, SA 5255

#### VICTORIA

▶ **MELBOURNE (BRANCH OFFICE & WAREHOUSE)**

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1 CAILIN PL, ALTONA, VIC 3018

#### NEW SOUTH WALES

▶ **SYDNEY (SERVICED OFFICE)**

LEVEL 6, 10 HERB ELLIOT AVENUE  
SYDNEY OLYMPIC PARK, NSW 2127

▶ **WAGGA (REGIONAL OFFICE)**

BALL PL  
EAST WAGGA WAGGA, NSW 2650

#### NEW SOUTH WALES

▶ **SYDNEY (DISTRIBUTION CENTRE)**

2 COAL PIER ROAD  
BANKSMEADOW, NSW 2109

#### QUEENSLAND

▶ **BRISBANE (BRANCH OFFICE & WAREHOUSE)**

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MURRARI, QLD 4172

#### WESTERN AUSTRALIA

▶ **PERTH (BRANCH OFFICE & WAREHOUSE)**

4 ELMSFIELD ROAD  
MIDVALE, WA 6056

#### TASMANIA

▶ **BURNIE (DISTRIBUTION CENTRE)**

8 RIVER ROAD  
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### New Zealand

#### NORTH ISLAND

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