

# Caulfield Substation

Caulfield, Melbourne – Substations provide the necessary power to operate trains, signals and communication equipment. In order to make improvements to the capacity of the rail network, new substations needed to be constructed, and where possible, existing substations would be upgraded. To ensure safety and security for authorised personnel and the public, fencing needed to be installed around the substation.

Treadwell was engaged to supply the FRP fencing and screening barriers for this substation.

## Project Challenges

- Selected material had to be non-conductive to ensure maximum safety for staff and public.
- Being the security perimeter for a substation, the fencing had to be anti-climb to address safety concerns.
- The selected material had to be corrosion resistant and be able to withstand the outdoor environment.

## PROJECT INFORMATION

Project Category:	Utilities Infrastructure
Scope of Work:	Supply FRP fencing
Treadwell Products:	SecurEX® FRP fencing panels

## Treadwell Solution:



**1** Treadwell's SecurEX® FRP panels are constructed with non-conductive properties ensuring safety from potential stray electrical currents.

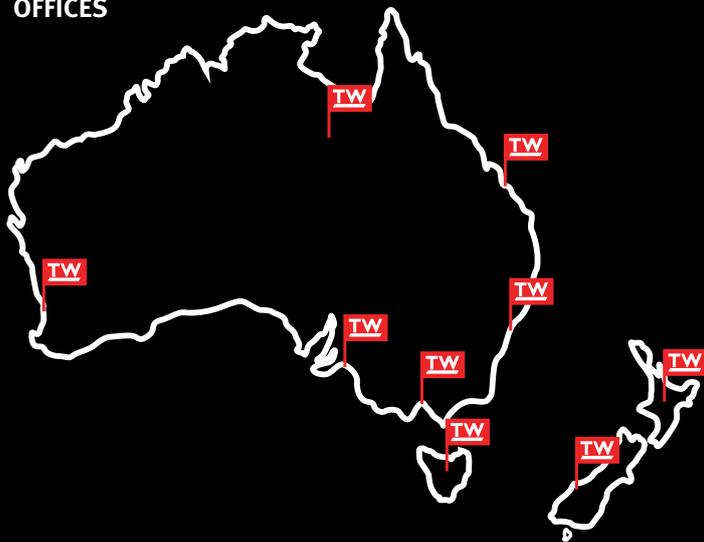
**2** These SecurEX® panels are designed to be anti-climb, topped with razor hoops providing an additional layer of security.

**3** These FRP panels are termite- and rot-proof, with corrosion resistant properties, making it ideal for this outdoor application.

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

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

## 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

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

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▶ **STRATHALBYN (FACTORY & WAREHOUSE)**

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