

Rainforest Boardwalk

The Cathedral Fig Tree, located in tropical Queensland, is a gigantic 500 year old strangler tree. Located in the Danbulla State Forest, the Cathedral Fig has the reputation of being the best place to hear an early morning bird 'singing' in the Atherton Tablelands.

In order for visitors to circumnavigate the base of the tree and giant buttress roots, a durable and long lasting walkway was required to withstand the stress as well as the environment.

Treadwell was tasked to design, engineer and supply the framework and flooring manufactured from FRP.

Project Challenges

- Protection of the existing landscape including the root system of the Fig Tree.
- Difficulty in laying out structure on the terrain.
- Tough logistical and installation considerations.
- Maintenance of the structure when completed.

PROJECT INFORMATION

Project Category:	Recreational Public Infrastructure
Scope of Work:	Design and supply FRP solution
Treadwell Products:	NatureTREAD™ FRP Solution EX-Series® FRP Mini Mesh Grating ArchitEX™ FRP Structural Profiles



Treadwell Solution:

1

Carefully planned installation of boardwalk to minimise impact on the environment.

2

As part of the exclusive NatureTREAD™ range, high performance GratEX® FRP grating and ArchitEX™ FRP structural profiles were specified in lining the structure and providing a much more sustainable solution over traditional materials.

3

ArchitEX™ profiles in the construction of the framework specified are corrosion resistant and provide the strength into the structure.

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

Any system utilising FRP is virtually maintenance free, thus keeping maintenance costs as low as possible.