



Titan Newsletter

Overheard Lines from The Reliable Titan

'The Bushfire Proof Titan is the Power Pole of the Century.'

'Titan Reliability is Guaranteed'

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Q&A

We continue to provide the opportunity for readers to access more information on the unique Reliable Titan's range of products. We invite readers to submit enquiries or comments through the Newsletter response email of enquiries@dulhuntypoles.com and one of our team will respond as soon as possible to the individual email address provided. The feedback received so far has been very observant and appreciated.

All your contact details and the related correspondence will always be treated with the utmost privacy protection.

Climate Extremes and The Reliable Titan – Featured Article

In recent years, extremes with Australian weather patterns have been coupled with fostering widespread bushfires, right through to the unprecedented horrific floods along Australia's east coast. All these experiences have created devastation for not only the unfortunate residents, but have also created, previously unimagined, damage to basic services infrastructure.

The damage that can be sustained by overhead electricity networks due to bushfires is relatively obvious to most, especially where timber poles are being used.



Typical result of a timber pole in a fire prone area, where a Reliable Titan would have survived any such bushfire.

However, the effect of flood water damage to overhead electricity poles may not be as obvious.

Expected consequences of any duration of water saturation of different pole type footings could range from; accelerating fungal decay in timber poles, corrosion of steel reo and spalling in concrete poles, corrosion in steel poles - to mention but a few strength deteriorating issues that can ultimately cause structural failure.

However, the Reliable Titan will remain completely unaffected by any prolonged water ecosystem.



This Reliable Titan will not be affected by the excessive floodwater, short or long-term.

Dulhunty Poles understands and appreciates the ongoing efforts that all electricity network operators employ to maintain their supply system infrastructure in an enduring, reliable and robust operating condition. Such endeavours are designed to fend off, and recover from all day-to-day destructive agents, as well as survive the usual sudden onset of damaging natural disasters.

We offer any assistance we can, to reinstate and or enhance such network security and resilience through use of the Reliable Titan. As the pole is not affected by fire, floodwater, corrosion, hostile ground conditions, etc., has no chemicals to leach out – it is virtually a ***natural disaster proof pole***.

A bonus is the lightweight feature, making Titan ideal for helicopter delivery to difficult access sites.



Helicopter delivery and install is the ideal solution for the lightweight Titan, especially in fire-prone settings.

Moreover, with the exceptional and unique ¹Carbon Footprint Analysis, utilising the Reliable Titan is not only an investment into the resilient future of the industry's backbone, but also strengthening a community mainstay while serving the environment well, with some experts suggesting more frequent climate related catastrophes are eminent.

¹-Ipernica's report on Carbon Footprint Analysis for power pole types used in Australia is on Dulhunty Poles website under the Technical Information / Environmental tag.

? Did You Know?

The Reliable Titan's primary ingredients are cement and calcined kaolin clay. Kaolin Clay, also called China Clay, is an essential ingredient in the manufacture of china dinner sets and porcelain.

Reliable Titan Communication Poles

Dulhunty Poles' Reliable Titans are generally suitable for any application regarding the overhead electricity infrastructure and a variety of marine based constructions throughout Australasia, and they have proven themselves well in these environments over many years.

However, we have also been promoting the fireproof Reliable Titan poles for the electronic communications sector. The following is a brief general listing of suggested purposes/roles suitable for the Reliable Titan under the e-communication poles banner, whether as a dedicated broadcast or relay facility –

- All emergency services wide-ranging purposes
- Bushfire observation / warning systems – 'Fire Eyes in the Sky'
- Public communication systems
- Mobile telephony
- Other specific tele-communications

- Satellite correlated systems
- Weather surveillance, sensors, warnings
- Remote security alerts
- Flood mitigation observation / alerts
- In the farming sector, pole mounted wireless equipment for –
 - remote access / surveillance
 - monitoring livestock movement etc.



An array of possibilities for the Reliable Titan within the e-communication space.

The Reliable Titan is an engineered pole which can accommodate a wide array of individual design creations and strengths supporting the attached aerials/antennae arrangements. Given the Titan is fireproof inside and out, its suitability to house electronic equipment in a safe 'fire protective space' within the pole top needs to be considered, as does the feature of the pole walls being electrically non-conductive, offering a radio signal transparency option.

All cables linked to control facilities, can be installed down the also fire protective hollow pole centre.

The physical suitability of the Titan for e-communications poles is found in the major features of – bushfire proof, rot and corrosion proof, termite / vermin proof, electrically non-conductive, no harmful chemicals to leach into soil and requires no ongoing remedial maintenance treatment ever. Can also be manufactured in a wide range of environmentally friendly colours.

The Titan e-comms pole can be designed and manufactured to provide the required level of rigidity to suit client's directional requirements.

Dulhunty Poles engineers' welcome discussion about possible configurations and future development of e-comms installations to maximise the benefits for property or situation management.

? Did You Know?

Routine ongoing inspection of a Reliable Titan pole is restricted to visual examination only - forever.

Smarter is as Smarter Does

Many reports/claims are brought to our notice from time to time, on how smart and efficient the Australian Electricity Supply Industry (ESI) is becoming, through introduction of newly promoted administration systems and structures, operating practices, electrical protection products, and similar.

In some reports, the smart intentions are aimed towards achieving net zero emissions through more acceptable generation methods. In other articles, its specifically about providing increased electrical capacity of transmission lines for efficient electrical access for renewable energy farms. And there are many other aims of a similar focus.

Generally, smart new thinking is always welcome in the ESI. But are we really getting smarter for the overall individual consumers' benefit in the more immediate term? In this quest to be smarter, are we ignoring the simple things that are the real foundations of the industry – that being the sustainability of the overhead transmission and distribution infrastructure (poles and wires) that should provide the reliable, physically uninterrupted and secure link between generators and consumers?

Many distributors have installed Reliable Titan poles into their network system as an integral part of their own smarter network sustainability, however it seems others have vastly different ideas of network reliability.

We only need to consider the massive loss of power poles through bushfires in recent years throughout Australia (and a lot were replaced once again by non-fireproof poles), to see where we believe some of the smarter thinking should be for a smarter, sustainable and safe network.



High/low voltage poles replaced with Titans in termite country, is seeing a smart, long trouble-free service life.



The significant expense of replacing operational or equipment poles, called for smart investment in the Titan here.

It is suggested that the practice of favouring the cheaper initial cost of any non-sustainable pole against the long-term efficiencies of a virtually indestructible pole, does not fit well under the smarter sustainable network banner. When the extensive ongoing cost of inspection and maintenance of the cheaper non-sustainable pole is considered against the no maintenance for life future of the Reliable Titan, the positive case for the sustainable Reliable Titan pole is amplified much further.

Fire Retardant Issue

We have received an enquiry seeking our thoughts on the promoted use of fire or flame retardant / resilience 'treatment' being included in the manufacture of, or applied to, certain types of power poles.

Our answer was very short – we don't know! We have no need to know.

The questions persisted, asking what chemical(s) may be involved, the personal safety aspect and the environmental consequences?

Again – our response was we don't need to know, as the Reliable Titan is fireproof; we referred our enquirer to the Dulhunty Poles website www.dulhuntypoles.com under the Technical Information tag, which reveals the appropriate Fire Tests results.



A Titan sample undergoing the ENA Pole Fire Test Method. Performance proven by achieving the ultimate result of 'Excellent.'

It is presumed, that if we made a pole other than in the Titan formula, and that pole could be seriously affected or destroyed by fire in the field – (especially a bushfire of typically up to around 1200C), the efficacy of such retardant treatment may need to be considered. However, we don't need any such treatment as the Reliable Titan is FIREPROOF, through its manufacturing process and its materials, including the patented cement matrix mix and its inert fibreglass rovings. All of which supports its prominent environmental approval rating.

Watch This Space

Our sales department are in the process of finalising arrangements for a Dulhunty Poles Reliable Titan agency in Queensland. Ideally, this agency will stock and install private and property poles within the extended Brisbane area.

? Did You Know?

All previous Dulhunty Poles Reliable Titan Newsletters are readily available on the Dulhunty Poles website under the [NEWS](#) tab?

Reliable Titan in the Marine World

Saline 'wet feet' and other various aggressive soil conditions (destructive to most other pole types) are no match for the unyielding Reliable Titan, with many such earlier installations still performing as good as the day installed.

Consequently, the many versatile and proven marine applications, the extensive in-service life, and the outstanding environmental credentials, are all prominent features in making the Reliable Titan the first-choice consideration for marine installations.

History proven recommendations for the Titan in marine applications, range from wharf / jetties / moorings construction, bollards, markers, and all types of aquafarming, and more. Contact our engineers to discuss any upcoming projects.



A barge crane installing a Titan Pile.



Not only can the Titan boast outstanding environmental features, but its long service life is the perfect choice for marine fabrications.

Get a Better Feel for the Reliable Titan!

Dulhunty Poles offers to those interested, free Titan samples in an attractive desk-top pen holder. They illustrate Titan's lightweight fireproof features, natural robust structure, and ready drill-ability. If interested, please simply reply to this email, and provide your name and a postal address to receive your free sample.

