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 Opportunity

We continue to provide the opportunity for readers to access more detailed information on the unique Reliable Titans range of products. We welcome any comments and or enquiries and invite readers to submit them through enquiries@dulhuntypoles.com and one of our team will respond as soon as possible to the individual email address provided. All your contact details and the related correspondence will be treated with the utmost privacy protection.

Reliable Titan Meets Increased Demand

The Titan factory has had what could only be described as a hectic period towards the end of 2021, meeting pole orders for Australian and New Zealand clients, in readiness for the 2021 – 2022 bushfire season.

Below pictures show the Reliable Titans stored, curing, in the October - November 2021 period, awaiting delivery to clients with a view to fireproofing their network.

The same storage area below in early December 2021. Storage area is all but cleared out and most of those items that are remaining, also have owners and awaiting pick-up / delivery. Nevertheless, standard stock levels for day-to-day supplies are always available.

The Titan factory's manufacturing schedule is ongoing to meet demand, accordingly this storage/curing area will again return to somewhere close to capacity in the near future.

Managing Pole Exposure to Risk - FEATURED ARTICLE

Responding to a recent enquiry, we comment here on what types of general risks are ESI rural located poles exposed to, that can lead to pole collapse – invariably causing network failure.

The first concern here is that rural based poles (and more especially in remote locations) are far more likely to suffer structural failure than those in urban situations where the possibility of a similar fault may be noticed and managed before it gets to failure status. The urban situation is also often assisted by other connected aerial conductors acting as temporary guys to the pole.

It is regarded, the general and typical rural network risks would include the following –

- Bushfires
- Pole top fires
- Fungal decay
- Termite and other debilitating insect/vermin infestation
- Corrosion from saline or damp ground conditions

There are a number of different types of pole materials currently in use in Australia. Some address a few of the general risks well and others only seem to go part way. Obviously, the best methodology in managing this risk, is to invest in a pole population that is not susceptible to any of these general risks.

The Network Reliable Titan was specifically and prudently designed, to negate all the above general risks and with many other added low-cost long-life complimentary features to boot.

There is another risk however – not a practical or physical risk like the other five – but probably more serious.

That is, the risk of complacency.

Clarifying; the risk of complacency in accepting that what is out there holding up high voltage power lines, is the best option available to manage the general risks and safeguard the network's reliability and continuity of supply.

Such complacency is usually nourished by the primary pressure to save money in the initial pole purchase, which seems to be a false premise, when considering the powerline is designed as a permanent fixture for many, many years, so materials with the guaranteed longest life and lowest cost whole of life features, should be the only choice.

There is no better way to manage risk in any situation, than to eliminate it.

Practical network risk management shown above, where an unserviceable wood pole in an isolated, difficult access and fire prone area, is being replaced by an unburnable, low cost whole of life Titan pole.

Also, being an engineered pole, the one Titan pole can be designed and manufactured to replace the two wood poles originally supporting this platform substation. It is also noted that the lightweight feature of the Titan makes helicopter delivery to such isolated sites, and the following installation, so effective.

Conversely, in the above image, a wood pole supporting crucial network operational equipment was destroyed by fire in what is obviously a fire prone area, and unfortunately confirming the risk was genuine. Yet the intention appears to be to reintroduce this risk factor, by installing another wood pole back into the network.

This does not seem to be successfully managing the risk – more like managing the short-term procurement budget.

Risk Management is an ongoing discipline in the Australian ESI especially in the design of overhead high voltage power lines and it is frustrating to see such learned efforts so easily thwarted through complacency – supported by the old axiom of, 'that's the way we have always done it!'

That is certainly not managing the risk.

These listed general risks will be there forever. Why repeat the process and expense of having to manage the same risks some years down the track – do it once for the next up to 100 years by installing a Network Reliable Titan for every existing high voltage network pole (especially in fire prone and or remote areas).

Importance in Applying Correct Standards to Products

The usual way for organizations to attempt to gain market credibility and acceptance for their product is to claim the product adheres to certain formal standards or protocols – whether Australian/New Zealand Standards, other international standards, or other industry recognized conventions or protocols.

One of the important factors in seeking such credibility and acceptance in this manner, is in ensuring the product is accurately judged against, and has been exposed to, the rigors set down in the relevant standards or protocols.

We believe, it is not advisable to just assume the product is applicable by only comparing it to a 'similar' product somewhere else in the world. It is crucial to consider the product in the particular

environment it is designed to work in; or replicate that environment, as close as is practically possible and under controlled conditions.

If these conditions are not strictly applied, and out of pure convenience a level of assumption is utilized, it means that this specific product, in reality, could remain unchallenged until maybe it does actually fail in service under the conditions it was promoted to excel in.

At this time of year, when bushfire threats are prevalent, it is important to ensure that any product that claims superiority in this environment, can be proven to deliver. And specifically for power poles.

To this end, Dulhunty Poles have ensured the Reliable Titan has been subjected to all the demands laid down by all applicable criteria – especially the protocol developed by the Energy Networks Association of Australia (ENA), Pole Fire Test Method, which specifically simulates a power pole exposure to a typical Australian bushfire (formally estimated to be up to 1200°C). And against which, the Titan achieved the ultimate rating of Excellent.

Proof above of the value of being able to adhere to applicable standards/industry protocol, where the Reliable Titan was pre-installed ready for the future mains change-over before the fire went through this area. The Titan remained unscathed and a post fire test, revealed the Titan was as good as new.

Reliable Titan Distributor's Expansion

One important section of the Reliable Titan pole family is that of private poles. For sales of this pole category, we generally utilize private distributor companies, who also provide Titan pole installation services.

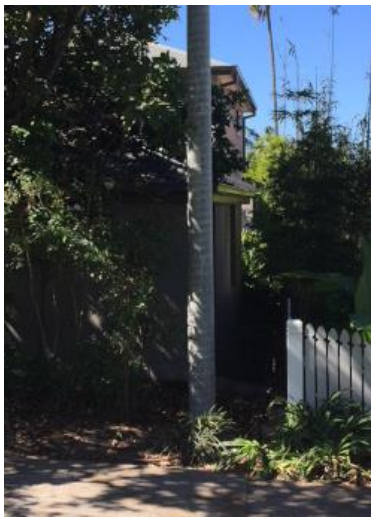
Dulhunty Poles have enjoyed a long-standing relationship with such a distributor in Everest Electrical Services, based in Sydney, NSW. Everest are a Level 2 Accredited Service Provider (ASP) organization that work in both the Ausgrid and Endeavour areas and offer clients a whole range of Level 2 electrical services including private pole supply and install - either new installations or replacement. Their client base includes other electricians and ASP's, residential and commercial customers as well as larger organisations.

Everest are reporting their enquiries have grown, not only for using Titan poles combined with their Level 2 ASP electrical skills, but also installing Titan poles for other uses, such as training sites, or poles

to mount heavy equipment: including lighting and antenna apparatuses, etc. All the benefits that the Titan offers, has definitely broaden their customer base.

Everest Electrical have recently expanded their pole storage facilities to cater for the increase in enquiries for sales and installation services and look forward to, further customer contact through the email details below.

Engaging Everest Electrical to replace the unserviceable pole on this difficult site with a long life, maintenance free Titan, was the ideal answer.



The combination of the Everest Electrical professional installation team, even in tight access, and the smooth finish of the Titan, makes for the perfect neat and tidy result in any property.

Contact Everest Electrical through info@everestelectrical.com.au

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Get a Better Feel for the Titan

To get a better feel for the Titan, Dulhunty Poles offers free Titan samples as an attractive desk-top pen holder complete with a Dulhunty Poles pen.

The samples illustrate Titan's lightweight fireproof features, natural robust structure and ready drill-ability.

If interested in obtaining one, please simply reply to this email and provide your name and a postal address to receive your free sample.