



REMOTE HEALTH ENGINEERING: IMPLEMENTING PROACTIVE MAINTENANCE AND COMPLIANCE METHODS THAT WORK



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OVERVIEW

- REMOTENESS
- WHAT ABOUT AUSTRALIAN STANDARDS?
- MAINTENANCE PRACTICES
- CASE STUDIES







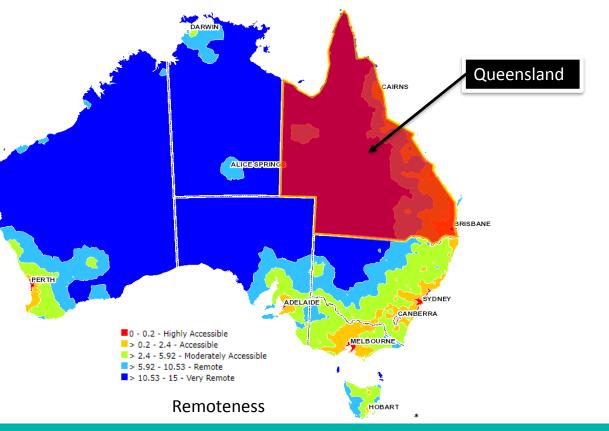


REMOTENESS

Australia is a country renowned for its vast remote area.

Remote Australia covers about 85% of the country's land mass.

As at June 2015, 2.21% of Australians lived in remote or very remote areas.









6-11 OCTOBER 2018 BRISBANE CONVENTION & EXHIBITION CENTRE





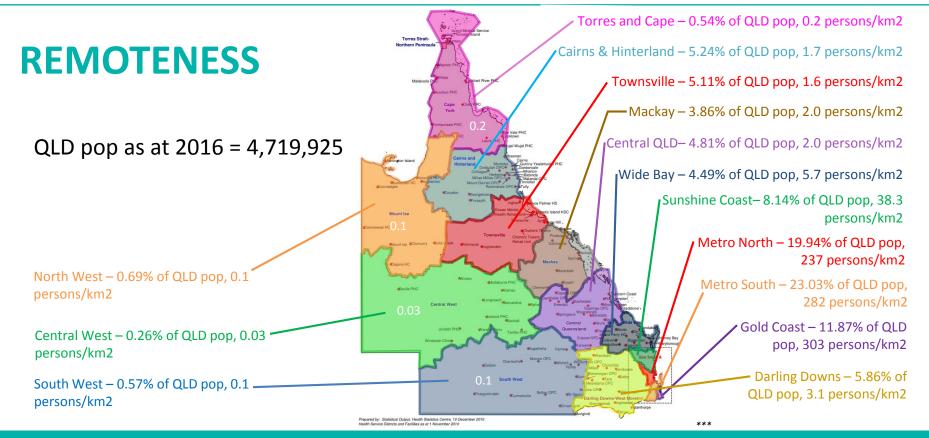






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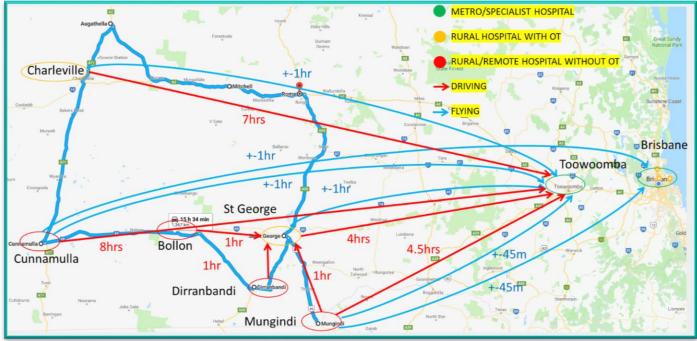


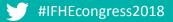
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REMOTENESS









AUSTRALIAN STANDARDS

- What about standards?
 - What do we mean?
 - CIR
- Why don't they?
- What about risks?







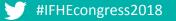
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AGEING INFRASTRUCTURE







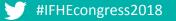






AGEING INFRASTRUCTURE

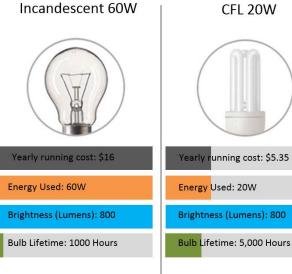








AGEING INFRASTRUCTURE

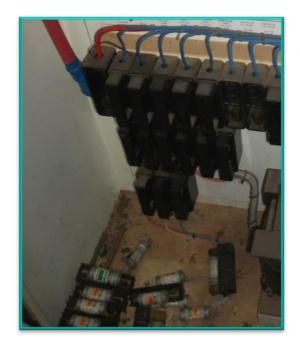




LED 9W



Yearly running cost: \$2.41 Energy Used: 9W Brightness (Lumens): 800 Bulb Lifetime: 50,000 Hours+ ****









MAINTENANCE PRACTICES

Reactive / Responsive emergency-based maintenance

Proactive / Planned / Preventive / Condition-based Maintenance

Forward Maintenance Plans







CASE STUDY – Generator Testing









CASE STUDY – Backup Power

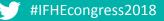
















Points to reflect on

- Collate data
- Serviceability
- Patient care







THANK YOU, QUESTIONS?

engineers

REFERENCES

*Figure from ARIA+ 2011 (The University of Adelaide, 2013, The University of Adelaide, 2018, Queensland Government Statistician's Office, 2018, and Queensland Government - Queensland Health, 2015) Available: http://www.spatialonline.com.au/ARIA_2011/

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