

# CBRM model predicts 20% fewer replacements

Based in Australia, Energex ([www.energex.com.au](http://www.energex.com.au)) distributes electricity to more than 1.3 million residential, industrial and commercial customers across a population base of around 3.1 million.



## Challenge

- Assess all electricity distribution network assets and the risks presented to the business
- Develop a range of investment options to reduce risk, improve network performance and maximise investment benefits, within imposed capital budget constraints
- Provide fully auditable means to support regulatory submission

## Solution

- Use Condition Based Risk Management (CBRM) model to calculate of condition profiles and health indices for specific assets and asset groups
- Quantify asset risk using derived probability of failure data and consequences of failure information, consolidated into a risk model
- Develop a portfolio of future asset investment options, designed to manage risk over the medium term

## Benefits

- Recognised and auditable system to support efficient regulatory reporting
- Improved asset management recommends 20% fewer replacements
- Constantly updated evidence to support smarter investment decisions

*PD (independent consultant) recommended that CBRM's proposed capex for asset replacement/renewal was accepted in full.*

## The Process



*CBRM is a fully integrated, ready-to-implement approach to asset management*

## The Deliverables



*It's the key to more efficient and profitable business.*

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