





CHALLENGE

The utility has links scattered across the state of Queensland where the terrain is extremely varied – ranging from mountainous peaks to flat country with very little variation in elevation over the entire link. These links provide spur site connections back to the nearest core network backhaul.

Used primarily by their field workers to communicate and coordinate with the control centres for electrical network switching activities, the P25 network is also used for general day-to-day communications for groups working out of the depot.

Ergon needed robust radios which could handle harsh environments and which could support long links in a single hop as often there were no intermediate sites available.

SOLUTION

Ergon chose to deploy Mimomax Series II radios due to the dual polarization offered which makes the radios suitable for the longer links Ergon required.

While the primary need was for voice backhaul, at remote sites which have no other links, the Ergon team will also be using the Mimomax radio links to transmit site management data.

THE PRODUCT

Ultra low latency and jitter combined with high data throughput makes the Series II radio an ideal fit for environments requiring longer links. Designed for LMR backhaul and SCADA and for situations requiring a reliable, low-error data transport service. Key features:

- Full duplex communications
- Ultra low latency + jitter
- · MiMO solutions to boast data throughput
- Over-the-air configuration for remote monitoring and diagnostics

"We needed a radio vendor who could provide links which could cover long hops where there are no available intermediate sites. As the Mimomax radios are dual polarization, the design of the radio lends itself to these long-haul links – we now have links running successfully up to 80 kilometres."

IAN MCNALTY | SNR SECONDARY SYSTEMS COMMS
OFFICER - ERGON ENERGY

ABOUT ERGON ENERGY

Location: Queensland **Industry:** Power Utility

Services: Ergon Energy supplies electricity to over 700,000 customers across a vast operating area of over one million square kilometres – around 97% of the state of Queensland – from the expanding coastal and rural population centres to the remote communities of outback Queensland and the Torres Strait.