

# Case Study

## Technology Summary:

UHF Conventional Radio

Mobile voting, system heartbeat

BDA tunnel system

Solar power supply

Turn-key Greenfields project



## Oz Minerals' Prominent Hill Mine

2009

*Tetracom were chosen to provide radio coverage over the mine and surrounding areas to Prominent Hill*

## Oz Minerals Mine Site Communications

Tetracom were chosen to provide a high quality radio communication solution to provide not only mine site operations for the new processing plant but a system that had to cover an area extending some 80km to the south and some 116km to the west of the mine to the main Adelaide Darwin rail corridor.

Our solution consisted of a 4 site voting radio network to provide seamless communications for drivers operating throughout the entire area along with 3 UHF repeaters for local mine site operations and a cross linked repeater channel to integrate with a separate VHF radio system operating within the massive open cut mine. A UHF CB repeater was also installed as part of the project.

We chose Tait TB8100 series repeater units for their robustness and reliability, the Tait TM8254 controller microphone vehicle radios for their ease of operation and installation and the IP67 rated (dust and water proof) Tait TP8115 hand held radios due to the harsh conditions they will endure.



*Remote site during construction*



*Coverage was provided to tunnels*

Tetracom were responsible for all facets of the rollout of this new system including the provision of equipment shelters, towers, communications equipment, solar equipment where required, installation, licensing, programming and commissioning.

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