

## Application Note DX-Altus Digital Radio Management System

# DX-Altus System Upgrade improves Safety & Productivity of Large Gold Mine

### Customer Profile

- Large gold mining operation

### Application

- Efficient Upgrade of DX System including new enhanced features

### Business Benefits

- Quick & Efficient Upgrade
- Costs Minimised by use of existing hardware
- Minimal Operator Retraining
- Improved Productivity of Dispatch Staff
- Improved Safety of On-Site Team Members
- Improved Management of Selcalls
- Flexibility to Adapt to Future Needs

### Products Used

- DX-Altus Digital Radio Management System
- Alto

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### Overview

After almost 10 years of reliable operation, one of the largest above- and below-ground gold mining operations in Western Australia has recently upgraded their DX-64 to the DX-Altus Digital Radio Management System.

As the main method of supporting dispatch operators across the site, the upgrade needed to be done in a timely and efficient manner to ensure continued safety and productivity.

In addition, the new Canned Messages feature was included to play safety messages and to minimise repetitive workload on operators.



### A Smooth Upgrade

As the DX-Altus has been designed with a similar architecture to the DX-64, the mine operator was able to retain a lot of its existing hardware and infrastructure: reducing costs and easing the process.

A firmware upgrade was done on all the existing modules and the new, state-of-the-art SCU module installed on the server.

Meanwhile the 14 local and remote operator positions were upgraded to the Alto dispatch console.

Minimal retraining of operators was required, as the look and feel of Alto is similar to the existing DX-64 Dispatch Console, despite the additional advanced features. Additionally, the improved integrated contacts management feature has enabled simpler management of Selcalls by linking caller IDs to a contact.



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## Canned Messages

A key, new feature of the DX-Altus is the ability to pre-record messages that can be replayed across the radio network.

Messages can be recorded either via the Alto operator position or existing .wav files can be pre-loaded. Once activated, the messages can then be played and repeated at pre-defined intervals to either all channels/talk groups in the foreground or to a pre-defined work group.

For example, the gold mine can now play pre-recorded safety messages such as weather warnings and blast alerts without requiring operators to continually repeat messages and ultimately improving the safety of all staff.



*The New Canned Messages Feature improves Operator Efficiencies*

## Conclusion

By upgrading to the new DX-Altus, the mine was able to increase the productivity of their dispatch operators and improve the safety of all staff by ensuring crucial messages are transmitted over the network.

The close collaboration and pre-planning between on-site staff and Omnitronics' systems team enabled the upgrade to be completed within a day with minimal use of the back-up radios.

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