

LMR AND WAVE PTX INTEROPERABILITY

Extending the reach of mission-critical communications

- >> Connect a Land Mobile Radio (LMR) system to WAVE PTX™, allowing calls between networks.
- >> Connected to MOTOTRBO™, DIMETRA™ Express and other two-way radio networks.
- >> Extend PTT communication outside the coverage of the radio system.
- >> Expand communications to those who cannot or will not carry a two-way radio.
- >> Increase flexibility and choice to select the best technology and device for each user.



WAVE PTX

Broadband push-to-talk on phone, tablet, PC and TLK devices



MOTOTRBO

Extensive portfolio of two-way radio portables, mobiles, infrastructure and systems

Manufacturing

Hospitality

Security

Utilities

Retail

Transportation & Logistics



Scenario 1

A conference centre uses MOTOTRBO radios to connect and coordinate its staff, including the Centre Manager, Exhibition Coordinator and Health & Safety Officer. The centre regularly hosts large exhibitions that have workers from multiple exhibiting companies, plus their contractors, on site for a week during the exhibition. These temporary visitors to the centre are given short-term access to WAVE PTX, using the Mobile app installed on their own phone and are then able to receive messages from the Centre team using their MOTOTRBO radios. Once the exhibition finishes, the temporary access is removed, preventing future eavesdropping.

Further solution enhancement:

Geofencing with WAVE PTX Dispatch would alert Centre management if exhibitors or contractors enter a restricted area.

Scenario 2

The Operations Director of a large car manufacturing plant is travelling to a meeting overseas with suppliers and urgently needs to consult several production-line supervisors. Using the WAVE PTX Mobile app on their smartphone, they are able to instantly connect simultaneously with all the supervisors on their MOTOTRBO radios, regardless of where they are in the factory.

Further solution enhancement:

Private call allows each supervisor to follow up individually with the Operations Director without disturbing the other supervisors.

Scenario 3

A private security company provides guarding services for clients' premises such as offices, warehouses and shops, and for temporary events such as festivals, parades and cycle races. Guards at fixed locations use MOTOTRBO two-way radios to communicate. At short term events, or ones covering a large area, WAVE PTX is used to avoid the need to install infrastructure and guards are issued with TLK 110 WAVE PTX radios that are tough enough to withstand knocks and drops. By utilising LMR-WAVE PTX interop, managers and supervisors at the company headquarters are able to easily connect with all their teams privately or on group calls, no matter where they are posted, or which communication system they are using.

Further solution enhancement:

Location tracking and Lone Worker monitoring help protect remote workers by raising an alarm if the worker is incapacitated, and monitoring where they are so help can quickly be sent to the right place.





When an incident happens, teams need to focus on the job at hand, not on their equipment. The Motorola Solutions technology ecosystem combines our products, automating operations to boost worker safety, effectiveness and productivity.



Two-way radios provide mission-critical group communications, helping workers instantly connect at the push of a button.



Control Room Software provides centralised monitoring and co-ordination of dispersed teams of workers.



Video security captures, records and analyses events for enhanced detection, response and outcomes.

To see more solutions, visit www.motorolasolutions.com



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