MOTOTRBO ION AND WAVE PTX INTEGRATION

Seamless Voice Handover for uninterrupted calling across wide areas

>> Utilise LTE or Wi-Fi networks to extend communications coverage or to fill in dead spots.

>> Seamless Voice Handover automatically switches MOTOTRBO™ Ion to WAVE PTX™ when radio signal fades, then back again when the Ion radio returns to DMR coverage.

>> Alternatively, install the WAVE PTX Mobile app on Ion for broadband PTT, video and multimedia capability.

>> Maintains voice communications between radios outside radio coverage.

>> Can be used to provide wide-area coverage or before radio infrastructure is installed.

WAVE PTX

MOTOTRBO ION
MOTOTRBO Ion smart radio combines voice and broadband data capabilities

MOTOTRBO
Wide portfolio of portable and mobile devices

| Security | Public Transportation | Manufacturing | Construction | Mining | Warehousing & Logistics |

Scenario 1

A bus company has a fleet of coaches that are used to run a scheduled daily transfer between the city centre and international airport, and are also used to take passengers on week-long package tours across Europe. Each coach is equipped with a MOTOTRBO Ion device that the driver uses to scan the barcode on passengers' tickets as they board. On the airport route, the company has MOTOTRBO coverage so drivers can stay in touch with the control room. On longer journeys outside radio coverage, Ion automatically switches to WAVE PTX using Seamless Voice Handover, ensuring drivers can be contacted at all times, or can instantly report any issues such as breakdowns or roadworks causing delays.

Further solution enhancement:
Using the compact WM500 wireless Remote Speaker Microphone, the driver can leave their Ion safely in its charging cradle in the coach, but still make and receive calls up to 100m away, for example when loading suitcases in the hold.

Scenario 2

A parking enforcement officer patrols a large city centre to ensure traffic and parking laws and regulations are observed. They carry a MOTOTRBO Ion radio for communications with a central security control room, and use an app installed on the device to issue Penalty Charge Notices, including taking pictures as evidence using Ion's built-in camera. In most parts of the city, the DMR signal is strong but there are some dead spots where the signal fails. In those areas, MOTOTRBO Ion automatically switches to an LTE network using Seamless Voice Handover, ensuring the officer stays in touch at all times.

Further solution enhancement:
Officers are equipped with VB400 body cameras. When an incident happens, a single press on Ion's emergency button starts an emergency call and automatically starts recording on the VB400 to capture video footage of the incident.
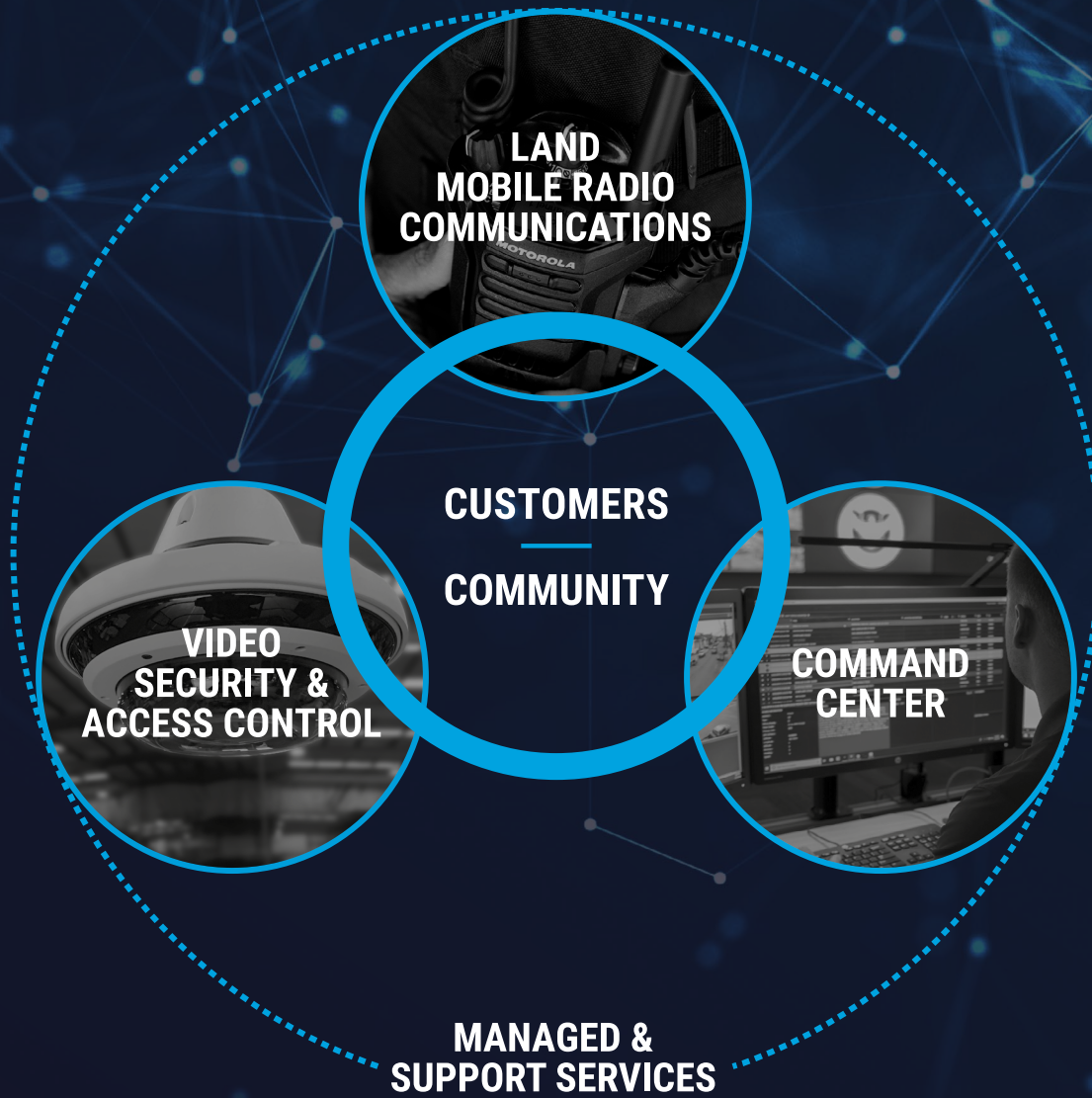
Scenario 3

A security company uses armoured transport vehicles to provide cash delivery services within 100km of the company's secure depot. While within 10km of the secure compound, drivers use MOTOTRBO Ion radios for reliable DMR communications with the control room. Every shipment has a unique barcode: the Ion devices are used to scan the barcodes during each stage of transportation, such as loading, offloading and customer receipt, to provide a clear audit trail. Radio coverage only extends 10km from the depot, but drivers can stay in touch with the WAVE PTX Mobile app using mobile phone networks to provide wide-area coverage, ensuring the drivers are always contactable.

Further solution enhancement:
Live video streaming over the WAVE PTX system using the Ion's built-in camera allows control room operators to see what's happening in real-time if an incident occurs.

MOTOROLA *SOLUTIONS*

LAND MOBILE RADIO COMMUNICATIONS

VIDEO SECURITY & ACCESS CONTROL

CUSTOMERS — **COMMUNITY**

COMMAND CENTER

MANAGED & SUPPORT SERVICES

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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