



# Discover More Reasons to Experience *MOTOTRBO*<sup>TM</sup>

## **Digital Technology for Plenty of Possibilities**

MOTOTRBO<sup>TM</sup> Professional Digital Two-way radio is future innovation today. The powerful performance is the result of constant innovation in digital technology. This is the tradition behind six decades of Motorola engineering. Always setting radio performance that goes far beyond limits.

Helping business and people communicate is a simple goal of MOTOTRBO. But the digital technologies inside are far beyond simple. Thanks to constant development of innovative solutions, MOTOTRBO fits every organisation and any communication needs. All these in a single digital platform.



## Productivity-Boosting Features

Whatever is your communication need, MOTOTRBO has a digital feature to match:

### **Digital Talk for Superb Clarity with Noise Cancellation**

This digital audio feature optimizes the vital aspects of radio audio quality while communicating in noisy environments. With digital noise cancellation and intelligent distortion management, you enjoy many user benefits. Includes clearer voice communications over a greater range, cancellation of static while enhancing the voice, and ensured privacy without loss of quality.



### **IP Site Connect for Instant Access Everywhere**

This IP connectivity feature allows you to link several single-site systems via a standard internet network. Opening the door to uninterrupted voice and data communication in any location. You don't have to worry about physical barriers, manual intervention for roaming, limited coverage or lost functionality.



### **IP57 Water Submersibility for All-Weather Ruggedness**

This is an international rating for submersibility in one meter of fresh water for up to 30 minutes, ideal for wet working conditions. It also meets tough specifications like U.S. Military 810 C, D, E and F, and Motorola standards for durability and reliability. Assuring your MOTOTRBO radio can stand up to harsh working conditions.



### **Capacity Plus for More than Double Channel Capacity**

This scalable, single-site digital solution enables over a thousand MOTOTRBO radio users to share both voice and data communication on the same system. Allowing your work force to quickly and efficiently share a large amount of business-critical communications and information.



### **Increased Spectral Efficiency with Enhanced Digital Functionalities**

This spectrum efficiency feature on Time-Division Multiple-Access (TDMA) digital technology delivers twice the calling capacity of analog systems, integration with data as well as 40% longer talk-time with extended battery life. Also with Enhanced Privacy, you enjoy encryption protection using 16 encryption keys with 40-bits per key to protect voice, text messages and GPS data.

## Compelling Digital Advantages

### Do More with Less

MOTOTRBO users can decrease their spectrum congestion while doubling efficiency of their existing licensed repeater channels. Utilizing the 2-slot TDMA technology supports two virtual channels within a single 12.5 kHz repeater channel. This provides twice the calling capacity for one license channel. And because there is only one "real" channel, a second call does not require a second repeater.

### Everything for Everyone in Single Platform

This digital system has everything it takes to meet the business-critical needs for all users. Choose the professional series of portable radios, mobile radios, repeaters, accessories, applications and services. Offering better design, the smaller, lightweight and rugged composition of MOTOTRBO includes submersible portable units with intuitive, easy-to-use and menu-driven interfaces.



### Protect Your Investment with Graceful Migration

With the ability to operate in both analog and digital modes, your MOTOTRBO users can enjoy a smooth, planned migration at your own pace. This means you can maximise your analog radio investment while catering for your user base expansion on digital radios.



## Why Customers Choose MOTOTRBO

### *Daqing Oilfield Fire-Fighting Unit, China*

#### **Uncompromised Performance with Tough Specifications**

Daqing Oilfield Fire-Fighting Unit plays a vital role in resolving any sudden fire outbreaks across 17,000 square kilometres of vast areas. Their new radio communication system must be hardy for rugged use in the oilfields. Their new MOTOTRBO radios are waterproof, anti-explosion and can be used in extremely harsh conditions.

### *FormulaOne Street Night Race, Singapore*

#### **Clear Audio Communications in Noisy Circuit Grounds**

Every F1 race car generates a noise level that is just about 20 decibels less than the noise generated by a jumbo jet airplane. Communicating in the race circuits require superior audio capability for efficient coordination, ideally that can last till the race ends. MOTOTRBO's digital noise rejection allows clear communications on the circuit, providing enhanced audio reception and longer battery life that lasts throughout the race hours (Source: ZDNet Asia).

### *Hong Lok Yuen Estate, Hong Kong*

#### **Extensive Coverage with Reliable Communications**

Hong Lok Yuen estate presents a massive task for boundary surveillance and property maintenance which is made more difficult with its wide land area and hilly terrains. Radio communications must provide a large area coverage that is also reliable. When signal strength drops off with distance, MOTOTRBO's digital error-correction technology accurately delivers voice communications with virtually no loss over the entire span of six kilometres within the estate.

*“Our decision for switching over to digital technology and opting for MOTOTRBO solutions was made easier when we considered the customer satisfaction, high reliability and top-notch technology capability we could achieve. Investing in the start of a technology life cycle makes both financial and operational sense.”- Pieter Lam, Deputy General Manager, Kai Shing Management Services Limited, Hong Lok Yuen Estate.*



### *Tropicana City Mall, Malaysia*

#### **Channel Efficiency for Talk Group Productivity**

To upkeep the mall facilities and maintain a high standard of services, it takes a large team of security personnel, maintenance crew, customer service staff and cleaners working together behind the scene. MOTOTRBO's spectral efficiency supports multiple talk groups, allowing for the easy convenience and added security of private and group calls whenever the situation arises.

*"Motorola is a great partner for radio communications because they have a leading technology and proven track record. We have a satisfactory experience using their analog radio system," says Andrew Ashvin, senior manager of the Tropicana City Mall, "and that has given us the confidence to move ahead with Micro-D and their proposal for digital migration. If the digital radio technology wasn't coming from Motorola, we wouldn't have pursued it."*



# Advanced Solutions for Efficient Operation

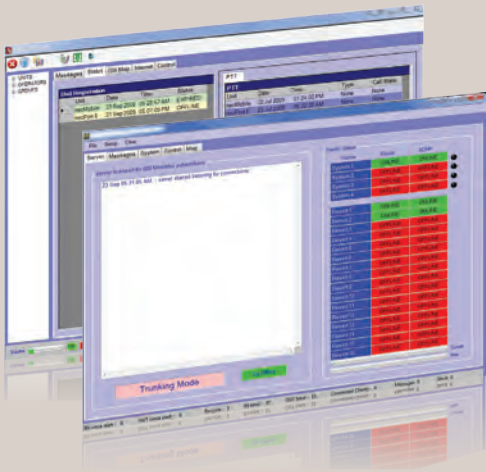
Motorola Application Developer Program extends the capabilities of the MOTOTRBO platform and provides unique solutions for diverse communication needs. Certified application developers can work with you to develop a customized data application to enhance your business communication, such as advanced solutions like:



by C.A Sheimer

## Radio Auditing Database System (RADS)

Developed by C.A. Sheimer (H.K.) Ltd, this revolutionary recording system provides Global Positioning Service (GPS), text messaging (SMS) and voice recording function.



## neoNytro™, neoNytro Enterprise™ and ZapMail™

Developed by NeoTerra Systems Inc, this suite of premium applications offer enhanced text messaging, asset tracking via GPS, emergency location service and email-to-text gateway.



## SafeDispatch™

Developed by SafeMobile, this client-based solution enables MOTOTRBO users to host and manage their radio communication display on their own computer.



## TrboCarE

Developed by Technics Communication & Electronics Pte. Ltd., TrboCarE provides an all-in-one radio dispatch management solution.

