



MOTOTRBO™

KEEP UP WITH THE MARKET. AND KEEP COSTS DOWN.

PROFESSIONAL DIGITAL TWO-WAY RADIO SYSTEM



MOTOTRBO BENEFITS

- Reach your workforce anywhere they go with voice and data
- Improve efficiency and safety on the job
- Keep connected easily and seamlessly
- Improve response time and customer service
- Maximize your system investment and infrastructure
- Enhance value and reduce operating costs

You're on a challenging pace in manufacturing. With stiffer competition, tighter schedules, longer shifts and heightened emphasis on safety, today's marketplace calls for even greater efficiency and productivity to maintain an advantage, globally and locally.

In order to keep up and keep ahead, your workers need reliable, easy-to-use communications so you can increase their efficiency and productivity, improve plant safety, support long work shifts and rapidly respond to incidents, wherever they happen.

THE CHALLENGE

Whether you run a global network of warehouses or a collection of local plants, reliable communications throughout your entire footprint is vital for successful operations.

Your workers need to connect clearly and without interruption – no matter where they are located or how loud their environment is.

Manufacturers need to:

- Ensure messages are received and understood by personnel
- Connect workers without interruptions or distractions
- Improve safety and task efficiency
- Speed response to changing plant conditions or incidents.

THE SOLUTION

Versatile and powerful, MOTOTRBO is the ideal solution.

Our professional digital communication system combines the best of two-way radio functionality with the latest digital technology. It integrates voice and data seamlessly, offers enhanced features that are easy to use and delivers twice the capacity of analog systems to meet your growing communication needs. With exceptional voice quality and long battery life, MOTOTRBO keeps your workforce connected when communication is a must.

Our new MOTOTRBO SL Series, XiR™ P8600 and XiR P6600 Series radios offer a smart new feature in digital mode – Intelligent Audio – that adjusts radio volume to fit an environment's noise level. This means the radio automatically boosts the volume level when the supervisor is on the factory floor, then automatically reduces the volume when he moves into a quiet office area.

EMPOWER YOUR EMPLOYEES WITH THE POWER OF DIGITAL TECHNOLOGY

Whether your employees are working the line or walking the factory floor, with MOTOTRBO digital two-way radios and accessories you can communicate clearly and conveniently. If an emergency or accident happens, you can locate the closest personnel and dispatch them for immediate response. And if you want to determine if deliveries are on time and sent to the correct locations, you can coordinate your fleet with exceptional productivity and proficiency.

FACILITIES MANAGERS CAN EXPECT BETTER PRODUCTIVITY. AND BETTER RESULTS.

Communicate clearly with exceptional audio.

Using the latest digital technology, MOTOTRBO provides clearer and crisper voice communications over a wider area than analog radios could ever do. Unlike analog, signal strength doesn't drop off with distance or cause distracting static. MOTOTRBO digital radios deliver both voice and data with greater accuracy and virtually no loss throughout the coverage area. The result is clear communications with your workers no matter where they are in the plant.

Prioritize communication immediately.

Emergencies do happen and you need to communicate with your workers when they do. MOTOTRBO's transmit interrupt suite – with voice interrupt, emergency voice interrupt and data over voice interrupt – enables you to prioritize critical communication the moment you need it.

Track supplies and deliveries even more efficiently.

Quickly locating inbound supplies and outbound deliveries is vital to smooth operations. With MOTOTRBO's integrated GPS module, you can view where inbound materials are and determine expected arrival times to prepare your receiving department. And you can view outbound locations to ensure deliveries are on time and sent to the correct locations – all while coordinating your fleet with exceptional productivity and proficiency.

Extend coverage and expand capacity.

Meet your communication needs today and in the future with a variety of MOTOTRBO solutions:

- **IP Site Connect** uses a standard IP network to extend the voice and data capabilities of MOTOTRBO. You can create a continuous network that covers your employees at 15 geographically-dispersed sites – so no matter where they are, they are rapidly and reliably connected. Or you link up to 15 sites to create wide area coverage or enhance coverage at a single site with physical barriers like buildings. Whether they're on the plant floor, unloading cargo at the dock or delivering finished goods, IP Site Connect helps streamline staff communication.
- **Capacity Plus** is the single site digital trunking solution that maximizes the capacity of your MOTOTRBO system. Use it to enable a high volume of voice and data communication for over a thousand users at a single site, without adding new frequencies. As your employees handle inventory or move equipment through the plant, they are all connected through your single site.
- **Linked Capacity Plus** is an entry level, multisite digital trunking system configuration for the MOTOTRBO platform. It leverages the high capacity of Capacity Plus, and the wide area coverage capabilities of IP Site Connect to keep your staff at various locations connected with an affordable high capacity, wide area trunking solution.

"With IP Site Connect and MOTOTRBO, there's now solid and consistent communication between the dispatcher, mechanics and product personnel. With this new system, we can work much more efficiently, which translates into much higher profitability."

J.R. Vazquez, Dispatcher
Georgia Nut Company,
Illinois





Improve workforce safety at your facility.

Our transmit interrupt suite allows multiple talk group conversations to be interrupted for urgent messages. Emergency notification lets workers notify supervisors or emergency response teams of a situation with just a push of the button. And with our hands-free audio accessories, workers at the warehouse or shipping dock can talk and listen to their portable radio while staying focused on the job.

Get exceptional value and cut operating costs.

By utilizing TDMA digital technology, MOTOTRBO enables two virtual channels within a single 12.5 kHz licensed repeater channel – double the capacity of analog. Since you don't need a second repeater, you save on equipment costs, too.

By integrating voice and data in one device, MOTOTRBO saves you the expense of additional equipment for text messaging and GPS location tracking. And to help control the cost of replacing batteries prematurely, our leading-edge IMPRES technology automatically maintains your battery fleet to lengthen battery life.

Migrate at your own pace.

With MOTOTRBO, you can keep operations running smoothly during a change in communication systems. MOTOTRBO radios operate in analog and digital mode so you can use them on your existing analog system and begin migrating work teams over to digital – one talk group or department at a time – while maintaining communication across your entire workforce.

MOTOTRBO RELIABLE COMMUNICATIONS DELIVERS:

Uninterrupted voice communication without static or noise

Integrated voice and data in one device

Text messaging when voice communication isn't practical

GPS tracking and dispatch for access to mobile workers

Scalable solutions to meet your communication needs

Easy to migrate from analog to digital because it operates in both modes

PLANT PERSONNEL AND DRIVERS CAN ACCESS CRITICAL INFORMATION. AT ANY LOCATION.

Hear clearly in loud environments.

Warehouses, shipping docks and plant environments can be noisy places. MOTOTRBO's background noise suppression and Intelligent Audio features help ensure communication comes through loud and clear. And with our complete line of audio accessories with leading-edge IMPRES™ audio technology, your workers can wear headsets to further suppress ambient noise, improve voice intelligibility and amplify loudness. Now you can be confident they'll clearly hear the message and not miss a call.

Text when talking isn't practical.

Your people must be able to quickly share information, whether it's to prioritize an order or check the status of supplies. Text messaging lets them communicate information quickly and easily. With MOTOTRBO text messaging, they can communicate between radios, between radios and dispatch systems, and between radios and email capable devices to get the job done.

Talk longer with enhanced battery life.

With today's demanding market often requiring long work hours, your employees need reliable radios that last the entire shift. MOTOTRBO offers enhanced battery life to do just that. Using advanced TDMA digital technology, MOTOTRBO operate up to 40% longer between recharges compared to typical analog or FDMA digital two-way radios.

In addition, to make sure MOTOTRBO radios are charged and ready to go whenever needed, our leading-edge IMPRES "smart energy" technology streamlines communication between the battery and charger to automate battery maintenance.

WORKPLACE APPLICATIONS THAT WORK FOR YOU

- **Innovative application solutions** such as alarm management, indoor positioning, and telephone interconnect allow you to expand radio capabilities as your needs grow.
- **Text messaging:** Send text messages so employees can read when convenient, and not be distracted from the manufacturing floor
- **Location tracking:** Monitor the whereabouts of inbound supplies and outbound deliveries
- **Dispatch:** Monitor and communicate with your mobile workforce from a centralized location
- **Telephone-to-radio interface:** Let front office employees use a land-line phone to connect directly with radio users, such as supervisors or emergency response teams
- **Network management:** Monitor, manage and report on your system's usage to minimize downtime and ensure optimal performance



Work harder with radios that can take it.

Your people operate in tough environments and two-way radios need to be tough-as-nails. MOTOTRBO™ radios meet the most demanding specifications including IP57 for submersibility in water (portable models), and U.S. Military 810 C, D, E and F.

Our “intrinsically safe” portable radios are ideal for locations where flammable gas, vapors or combustible dust may be present. Many of our remote speaker microphones are intrinsically safe and designed with advanced “windporting” to lessen background noise from high winds and severe weather.

Work smarter with hands-free accessories.

Whether they're in the warehouse or office, on the loading dock or plant floor, your workers need hands-free tools that let them focus on the job. MOTOTRBO offers a wide variety of carry cases and belt clips for hands-free portability and a complete line of audio accessories, including a heavy-duty headset for hands-free operation and hearing protection in high-decibel factory environments.

MOTOTRBO RELIABILITY AND SECURITY

Exceptionally clear audio, even in loud factory environments

Access data, such as text messages, when it's convenient and safe

Water submersible, tough-as-nails radios

Extended battery life for long work shifts

Hands-free accessories keep them focused on the job or on the road

MOTOTRBO PROVIDES THE RIGHT SOLUTION FOR THE RIGHT USER

- Ideal for the line supervisor, the ultra-thin, lightweight SL Series portable provides the ultimate in functionality and discreet communication. Innovative features such as Intelligent Audio and vibrate alert help ensure important calls are not missed, even in the noisiest environments.
- For plant personnel, XiR P8600 Series portables along with a heavy duty headset can provide a perfect balance of high powered performance and day-in, day-out durability.
- Maintenance technicians can receive text-based alerts from automation and control systems to monitor line equipment status, and provide immediate notification to a technician's radio to help minimize equipment downtime. And, with system features such as IP Site Connect, data and voice communication can be effectively extended throughout large facilities, or even across remote locations via the Internet to keep workers connected and productive.
- For the loading dock, the XiR P6600 Series provides clear communications throughout the facility. So when a forklift driver needs to hear directions for moving inventory from staging to the dock, Intelligent Audio automatically increases volume to help him hear over the noise of his engine and the machines on the floor, and lowers the volume in quieter areas.

For more information on how to keep up with the market and keep costs down, visit www.motorolasolutions.com/mototrbo.

Motorola Solutions Singapore Pte Ltd

12 Ang Mo Kio Street 64, Ang Mo Kio Industrial Park 3, UE Biz Hub, Block A, Level 7 Singapore 569088

motorolasolutions.com

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holdings, LLC and are used under license. All other trademarks are the property of their respective owners. © 2012 Motorola Solutions, Inc. All rights reserved.
APAC_TRBO_Manufacturing AppBrief_0512

MOTOTRBO
DIGITAL
REMASTERED.