



TRANSFORM THE WAY YOU COMMUNICATE

**SOLVING COMMUNICATION
CHALLENGES WITH AN ADVANCED
COMMUNICATIONS ECOSYSTEM**



MOTOROLA SOLUTIONS

KEEP YOUR PEOPLE SAFE AND YOUR OPERATIONS EFFECTIVE

There can be no compromises when it comes to keeping your people safe and your operations effective.

The remote, complex and challenging nature of mining environments means companies need to work harder to protect people and operations; and communications play a critical role.

With the limitations of traditional two-way radio communications, these simply don't provide the necessary connectivity, coverage, reliability, adaptability or mobility needed for today's mining operations.

Already trusted by first responders around the world for mission-critical communications, Motorola Solutions' network-independent WAVE PTX provides the foundation for a communications ecosystem that meets the distinct connectivity needs and scale of your operations – offering secure, robust and reliable connectivity in the most challenging mining environments.



With multiple crews working across multiple locations on multiple networks and multiple devices, you need a stable, reliable platform that eliminates these barriers. Motorola's market leading communications solution, WAVE PTX, takes instantaneous communications further, using the cloud to extend two-way radio and unite everyone on one seamless communications platform regardless of device, network or location.

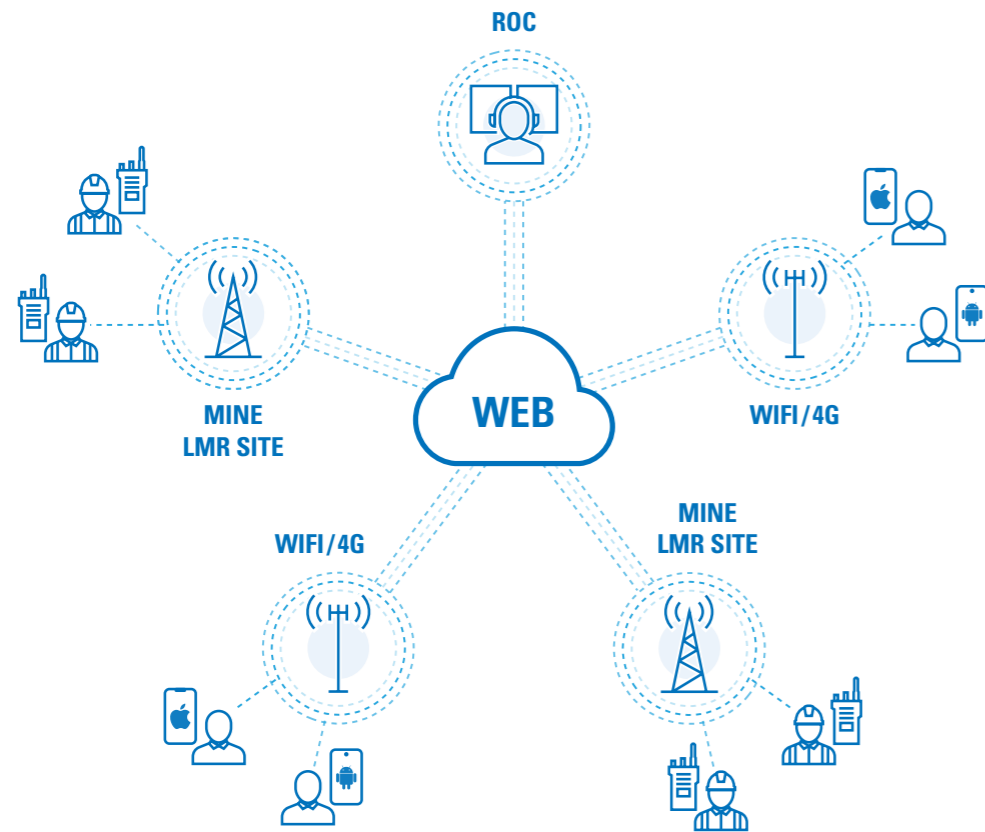


Streamline your operations with reliable communications that will keep teams connected and informed. Empower your people with the information and insights they need to make critical decisions faster. With WAVE PTX you can accelerate the flow of information between your people, however they choose to communicate.



When your teams can communicate effectively, you get enhanced visibility across your facilities, sites and operations. Deploy world-leading safety and critical communications technology throughout your business and give your people the communication tools they need to be proactive about safety, minimise risk, and get assistance if, or when, they need it most.

A TECHNOLOGY ECOSYSTEM THAT TRANSFORMS THE WAY YOU COMMUNICATE



Deploy world-leading critical communications software throughout your mining operations. WAVE PTX is a dedicated instantaneous communications ecosystem which ensures your operators on the ground, managers on the move, and personnel in remote operations centres can communicate via a cohesive, unified network.

Whether for a small team on a greenfields exploration site or large-scale multi-site mining operation, WAVE PTX can be adapted to suit your business needs and budget, scaling as your operations scale.

The WAVE PTX software turns any smartphone, tablet or desktop device into a push-to-talk radio (PTT) for instantaneous voice communications. With the added functionality of push-to-anything (PTX) providing integrated secure messaging and video and file sharing across devices and teams.

The technology is hosted in the cloud so there is no need to install additional infrastructure to get access to a tailored communications solution to meet your business needs. Ease-of-use and the ability to self-configure a fleet of devices allows for quick deployment, bringing additional functionality to your existing operations and enabling you to scale as you need. The software can be deployed on 'bring your own' devices through a simple download or using dedicated hardware devices especially designed to withstand the rugged conditions of mining environments.

WAVE PTX also delivers enhanced safety features with a centrally managed admin portal and accompanying dispatch functionality. As a result, your people get enhanced visibility across your operations for safer, more effective working environments.

PUSH-TO-ANYTHING: FEATURES DESIGNED FOR MINING

DEVICE-INDEPENDENT PTT COMMUNICATIONS

EMERGENCY CALLING AND ALERTING

INTEGRATED SECURE MESSAGING

MAPPING AND LOCATION SERVICES

FILE AND VIDEO SHARING



CASE STUDY:
WAVE PTX IN ACTION FOR SAFER, MORE EFFECTIVE JOURNEY MANAGEMENT

One use case for safer and more connected operations is in journey management.

With the ability to connect across networks and on any device, WAVE PTX allows drivers to maintain access to essential communications throughout their journey. This ensures everyone in the team remains connected for better decision making, real-time responses, enhanced safety and elevated peace of mind.

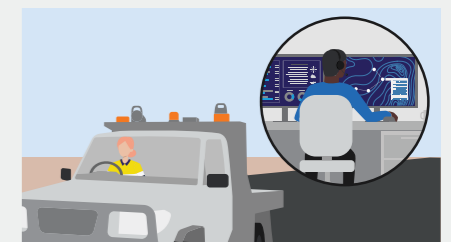
WAVE PTX's dedicated safety features, including location mapping capabilities, information sharing and emergency alerting, enables teams to take a proactive approach to safety, protecting and informing drivers wherever they are – meaning drivers can rest assured that they are connected and supported at all times.



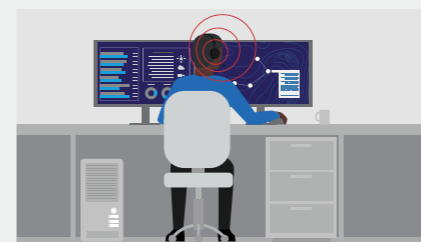
For team members travelling through remote locations, communications are paramount for their safety.



With WAVE PTX they can stay connected with a simple smartphone app or dedicated Motorola radio hardware.



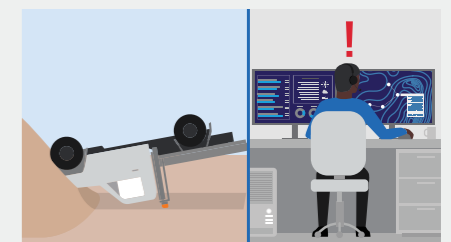
Drivers are connected with dispatch providing journey management and instantaneous responses.



Dispatch can share critical, live information such as weather, road and journey updates, and respond to issues in real time.



If an unforeseen incident should occur, drivers can raise an alert, connecting them instantly to response teams.



In situations where the driver cannot raise an alert, live data allows journey managers to spot issues and easily direct a response.

WITH WAVE PTX KEEPING YOUR TEAM CONNECTED, YOUR PEOPLE ARE NEVER ALONE ON THEIR JOURNEY AND CAN TRAVEL SAFER.

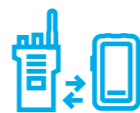




KEEPING YOUR TEAM CONNECTED

WAVE PTX has a range of features to connect your people and accelerate the flow of information throughout your operations, ensuring everyone has the knowledge and awareness to stay safe and connected, regardless of where they work.

With WAVE PTX your operations will benefit from:



Unparalleled Interoperability

Remove the restraints that numerous devices and disparate networks are placing on your people. Enable each and every team member to collaborate and communicate seamlessly at the touch of a button. Your crews can access instantaneous, reliable communications whether they are using a smartphone, tablet, desktop, radio or dedicated WAVE PTX hardware.



Increased Management Visibility

Keep your finger on the pulse and respond to events in real-time by enabling senior personnel to communicate on the same channels even when off site or off duty. With WAVE PTX your people are equipped with powerful monitoring and reporting capabilities, providing a live view of activities and events as they happen for more effective decision making in the moments that matter.



Push-To-Anything

The push-to anything capabilities of WAVE PTX mean your team can take collaboration beyond just voice communications with the ability to share information via text, photos, videos or file attachments, and no requirements for additional equipment. More methods of information transfer result in more effective communications and a better connected, better informed team.



Enhanced Safety

Keeping people safe requires maximum connectivity. With better communications you can provide safer working environments, increase situational awareness, and prevent incidents before they happen. Extend instantaneous communications and emergency alerting to every team member wherever they are, whichever device they have access to. With a proven track record, you can rely on WAVE PTX to protect your people on and off site, delivering when they need it most.



Protected Mining Operations

Protect your operations and prevent productivity losses with uninterrupted communications. Reduce operational downtime and allow business critical decisions to happen faster by enabling your operators, technical teams and managers to stay connected from anywhere on any device. Being cloud-based, WAVE PTX provides greater flexibility and mobility, allowing you to adapt to changing working environments and manage business interruptions – keeping your operations moving.



Adaptable, Scalable Solution

With quick and easy deployment, WAVE PTX enables you to scale your communication capabilities in line with your operations or provide temporary access on personal devices. As a cloud-based solution you have the option to build in dedicated devices or infrastructure if and as you need, so there is no requirement for large upfront capital expenditure to deliver reliable, resilient communications – however large, or small, your teams are.



Advanced Technology

As industry continues to evolve, technology plays a growing importance in keeping people safe and operations effective. With the limited capability of traditional networks, the opportunities presented by broadband push-to-talk are defining a new standard for communications across industries. WAVE PTX provides you with the benefit of a market-leading communications ecosystem that has been proven in delivering mission-critical communications.



Motorola Solutions is committed to developing and providing solutions to keep people and work environments as safe as possible. Through our products, services and experience, we have a track record of adding value to our customers' communications and safety capabilities.

For more information on solutions for mining visit www.motorolasolutions.com/en_xa/solutions/mining.html



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