UNIFIED WORKGROUP COMMUNICATIONS TO BOOST SAFETY AND EFFICIENCY

Mining is complex. Safety requirements, unstable commodity prices, productivity pressure, increasing costs, mineral theft, and asset write-downs can make it even more challenging.

In today’s world of data abundance, your mining operations have access to many disparate networks to help your employees know when a drastic weather change may occur, the locations of critical delivery trucks and even knowing when gases may change levels underground. But, all of this data may be analysed separately without the advantage of integration.

Motorola Solutions is with you on the front lines to better access data information leveraging existing voice communication systems. Our team communications solutions take push-to-talk (PTT) beyond the boundaries of radio, allowing all of your employees to communicate instantly, from anywhere, while leveraging intelligence from a wide range of applications designed to help your mining operations succeed while keeping your employees safe from harm.
COMMUNICATE WITH ADDED INTELLIGENCE

The stream of information flowing through a typical business today can be overwhelming. If key information is not extracted and used to make the business better, then it is simply data piling up in a storage drive somewhere. Are you fully utilising information from your dispatch application? Video surveillance? GPS tracking? Integrated command and control system? Sensors? Monitors? Alarms?

You can use existing EAM (Enterprise Asset Management) data captured for large mining trucks and leverage this to track the loading of the trucks. Shift managers in the field can see and query current shift data and asset utilisation data from a mobile table device. This includes how much ore the trucks were hauling - and most importantly, if they were full. If the trucks are not full, supervisors can get on radios or phones and drive to the location to adjust the behaviors of drivers and operators quickly. Issues can be fixed immediately.

Within this stream of information is the intelligence that separates the businesses that succeed from those that fail. A more efficient route. A root cause behind seemingly unrelated issues. A pattern of sensor trips indicating a larger issue. An inventory shortage that will impact the business. An alarm warning that someone is in the wrong place at the wrong time.

By connecting every member of the group regardless of device, Team Communications unlocks the potential of your company’s data. The critical piece of intelligence needed to make your business safer… more successful… or more efficient can now be communicated – instantly – by the person who knows to the people who need to know.
**SEAMLESS COMMUNICATIONS IS A PRIORITY, BUT NOT ALWAYS A REALITY**

49% of energy workers reported using cellphones as their primary form of voice communication to reach workers, while 32% reported two-way radios as their primary form of voice communication.

90% of energy workers said most workers within their operations are using multiple devices to communicate with each other.

94% of respondents stressed that it would be of importance to seamlessly connect all of their different communication devices.

50% of energy workers stated they have some general awareness around the Industrial Internet of Things Solutions, but only 29% are using or investing in these solutions today.

**MOTOROLA SOLUTIONS TEAM COMMUNICATIONS FOR MINING**

**ANY STAFF MEMBER**

- **SUPERVISORS**
  - Improve safety and security throughout mines
  - Communicate with first responders in real-time
  - Bridge communications between mines and first responders
  - Leverage transit interrupt features to prioritise critical communications

- **TRANSPORTERS**
  - Alert personnel to emergency situations or trouble
  - Ensure greater safety with hands-free features
  - Enjoy better audio clarity with background noise cancellation

- **MINE PERSONNEL**
  - Instantly connect with other personnel using PTT
  - Communicate with first responders in real-time
  - Stay connected from anywhere

- **CENTRAL OFFICE**
  - Easily and seamlessly keep all operations connected
  - Maximise your existing infrastructure investments
  - Cost effectively enhance communications and better manage budgets

**ANY NETWORK**

- Land Mobile Radio
- Carrier Network
- Wi-Fi
- LAN
- Telephony

**ANY DEVICE**

- Text Messaging
- GPS Tracking
- Fleet Management
- IIOT Data

**ANY APPLICATION**

- Work Order Ticketing
- Mass Notification Siren Alerting
- WAVE® PTT

*Source: 2018 Motorola Solutions Energy Communications Survey*
TAKE YOUR COMMUNICATIONS FURTHER WITH MOTOROLA SOLUTIONS

TEAM COMMUNICATIONS FOR MINING

With unified work group communications, your employees can connect instantly, without boundaries, and with key information at their fingertips. The safety of all team members and the organisation overall is enhanced. The intelligence to improve productivity can be shared immediately with the team members who most need to know. A rich ecosystem of applications to streamline workflows and make your business more efficient awaits. Boost your team’s satisfaction and your company’s bottom line with Team Communications from Motorola Solutions.

Learn more at motorolasolutions.com/en_xa.html