

# SmartPTT

Integrated Solution for MOTOTRBO™

- ✓ Networks of any size and topology
- ✓ System infrastructure monitoring and control
- ✓ Bridging for different radio networks



## SmartPTT Solutions for Oil & Gas

### Worker Safety

SmartPTT has multiple features to manage worker safety. The MOTOTRBO radio can send an emergency signal to the SmartPTT dispatcher if the worker presses the emergency button or if a man-down option board equipped radio detects no movement or a wrong angle for too long. SmartPTT's lone worker feature requires the radio to transmit and/or move (GPS tracking) within a programmable amount of time otherwise an emergency condition will be initiated. A geo-fence can also be created in SmartPTT to notify the dispatcher if a worker enters a hazardous zone.

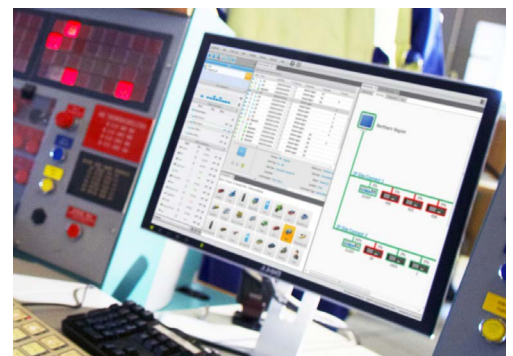


### Emergency Management

When an emergency occurs, the SmartPTT dispatcher can quickly identify the subscriber in distress and their GPS location to reduce response times. The dispatcher can control the response to the emergency, by dispatching response teams to the location of the emergency based upon location information provided by GPS. The voice recording and event log functions of SmartPTT enable managers to analyze the details of the emergency to improve future processes.

### Radio System Reliability

SmartPTT system monitoring allows for remote analysis and control of the radio network. If an issue occurs, remote monitoring can identify the exact equipment experiencing problems. This helps discover the problem before it affects work processes, saving time and resources looking for the fault and even giving the chance to resolve the issue remotely without going to the site.



## Minimize Equipment Down Time

Using the telemetry inputs/outputs of the Motorola MOTOTRBO radio, when an equipment failure occurs SmartPTT can receive notifications of the failure. SmartPTT can notify the dispatcher and automatically notify maintenance teams via text or voice notification that the failure has occurred. The dispatcher can also create a Job Ticket for the maintenance staff to manage the repair of the failure.



## Seamless Communications

In the Oil & Gas industry, many disparate types of communications are used and a solution is needed to integrate these different communications networks, including MOTOTRBO, other two-way radio systems, telephony and cellular. SmartPTT enables interoperability between MOTOTRBO and other two-way radio systems for uninterrupted two-way communications. The telephone interconnect option enables radio subscribers and dispatchers to make and receive telephone calls. The SmartPTT mobile application option allows users outside of the radio network coverage area or off-duty without a radio to use their smartphone or tablet to access the MOTOTRBO radio network.

## Operational Cost Efficiencies

Voice Dispatching and Job Ticketing improves coordination of tasks across work teams. Using GPS to dispatch the closest work crews to a job site reduces man-hours wasted traveling to a site, as well as the fuel spent driving and wear and tear on vehicles. The Lone Worker and Man Down (option board required) capabilities coupled with GPS eliminate the need to send two employees to the do the job of one employee. By implementing worker safety features insurance companies may offer savings in insurance premiums.

