SmartPTT

Integrated Dispatch Solution for MOTOTRBO™

SMARTPTT IS AN INTEGRATED VOICE AND DATA DISPATCH SOFTWARE APPLICATION FOR MOTOROLA MOTOTRBO RADIO SYSTEMS

MINING
Prevent accidents by transmitting blast alarms and weather notifications

Reduce queues and inactive mining shovels to maximize productivity

OIL & GAS
Quickly identify a subscriber in distress and their location

Dispatching the closest resource reduces wasted man-hours, fuel, and vehicle wear and tear

TRANSPORTATION
Control hazardous or off-limits areas in airports such as runways

Track the location of baggage trucks, fuel trucks, and snow plows

MUNICIPALITY
Manage tasks to ensure services are restored quickly

Interoperability between city departments

SERVICE & HOSPITALITY
Improve guests experience by ensuring quick and accurate responses to their requests

Emergency management and location positioning enable fast reaction to staff accidents

EDUCATION
Interoperability with public safety during incidents

Track the routes of school buses and control the deviations from them

PUBLIC SAFETY
Interoperability between different agencies during emergencies

Enhanced coordination capabilities and reduced response time

SPORT
Control fans' activities and provide for the safety of the teams and guests

Know the location of staff for faster responses during emergencies or incidents

ENERGY
Reduce outage times

Manage the assignment and status of work orders

MANUFACTURING
Improve coordination of tasks across production teams

Monitor staff activities in hazardous work areas

THE ISSUES FACED BY ANY ORGANIZATION THAT VALUES THEIR TIME, MONEY AND RESOURCES

? HOW TO ENSURE WORKER SAFETY?

? HOW TO REDUCE COSTS?

? HOW TO MAXIMIZE WORKER EFFICIENCY?

? HOW TO MANAGE PROACTIVELY?

HOW WILL SMARTPTT BENEFIT MY ORGANIZATION?

COST SAVING

Control work force size by efficiently distributing work tasks

Decrease fuel consumption and wear and tear on vehicles

Avoid costly litigation using voice and event logs to prove processes were correctly followed

WORKER EFFICIENCY

Monitor the progress of assigned tasks through to completion to ensure tasks are done timely and accurately

Employee accountability using reports and event logs

Be sure of the employees' location at their workplaces

WORKER SAFETY

Knowing the location (indoors or outdoors) of a radio user provides faster response times during an emergency

Emergency alerts notify the dispatcher of a radio user in distress

Notify radio users when they are working in a hazardous work area

PROACTIVE MANAGEMENT

Incident analysis and prevention to improve future processes

Information safety with data recording both on server and dispatcher sides

Minimum system downtime by remote analysis and control of the radio network

CORE FEATURES

OPTIONAL FEATURES

VOICE DISPATCH

Instant communications and efficient team coordination – the system is under dispatcher's permanent control

TEXT AND DATA TRANSFER

Text messages, e-mails and SMS exchange between the dispatcher console, radios, talkgroups, and smartphones

GPS TRACKING*

Know the exact workers location at any moment and enhance their safety by control of their entering hazardous zones

EMERGENCY MANAGEMENT

Dispatcher is alerted to a radio user in distress when the emergency button is pressed, Man Down is activated, or the Lone Worker timer times out

VOICE* AND EVENT LOG

Data storage and easy reconstruction of incident's details

JOB TICKETING

Create, assign, and control work orders to ensure timely and accurate completion of tasks

TELEMETRY

Use the GPIO pins on mobile radios to be notified of events (i.e. door open/closed) or control a device (i.e. device on/off)

FLEET MANAGEMENT

Easily manage the details of individual and groups of subscribers, as well as create customizable rules and alerts

IP CAMERAS

The real-time video stream from Avigilon VMS system on your dispatch console

RADIO NETWORK BRIDGING

Connect subscribers on different radio systems for interoperability or system migration

INDOOR TRACKING

Monitor the position of employees inside buildings and other locations where GPS tracking is not available

SCADA

Monitor and control remote equipment to avoid costly spills and repairs to equipment

TELEPHONE INTERCONNECT

Seamless communications between radios, dispatcher and telephone subscribers

WEB CLIENT

View subscriber location information from anywhere using a PC's web browser

MONITORING

Real-time network infrastructure monitoring with graphical representation of network topology and coverage map analysis
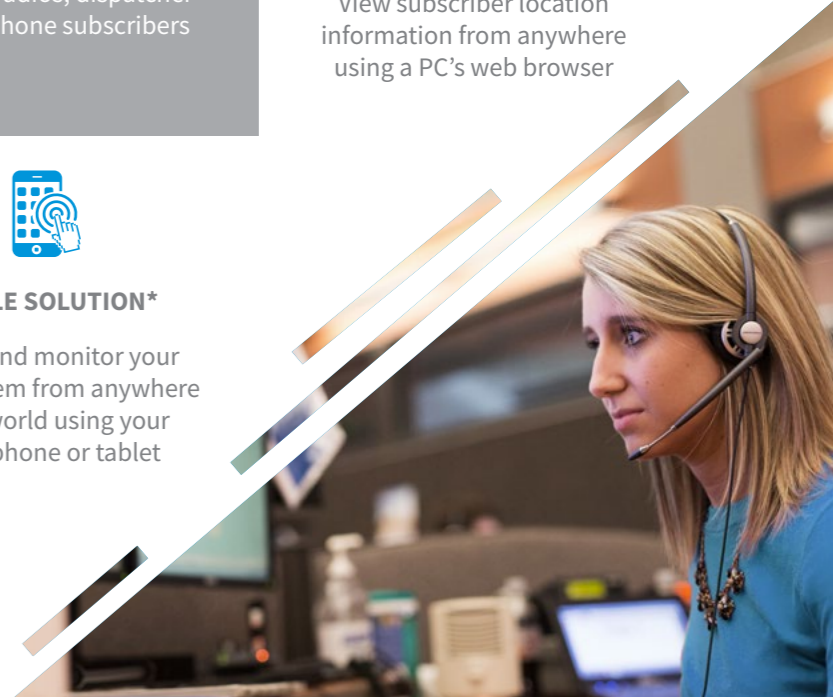
MOBILE SOLUTION*

Talk to and monitor your radio system from anywhere in the world using your smartphone or tablet

* Features are standard in SmartPTT Enterprise and could be optional in SmartPTT PLUS depending on the region

* Not available in SmartPTT PLUS

SMARTPTT CUSTOM CONSOLE

Intelligent, customizable and user-friendly

HOW DISPATCHERS BENEFIT USING SMARTPTT

- Quick private call and group call initiation

- Telemetry control for turning devices on/off or opening/closing a door

- Voice notifications: initiate pre-recorded messages or tones by pressing the button

- Keypad to manually dial a subscriber by radio ID or select from an alphabetical list

- Create a control panel with quick access to the most frequently used features

- Incoming events panel registers all incoming private calls and text messages to the dispatcher

- Set the background that you will enjoy

EASY MIGRATION FROM OLD DISPATCH CONSOLES

SIMPLE AND FLEXIBLE USER INTERFACE, CUSTOMIZED TO EVERY DISPATCHER NEEDS

FASTER DISPATCHER OPERATION AND REACTION TIME DURING EMERGENCIES

MULTI-LEVEL DISPATCH

Dispatch positions can be installed locally, regionally, nationally, or worldwide, which is important and convenient for geographically distributed radio systems

HQ Dispatch Center

SmartPTT Dispatcher Console

Local Dispatcher Console

Local Dispatcher Console

IP

Radio system and SmartPTT Radioserver

Radio system and SmartPTT Radioserver

Site A

Site B
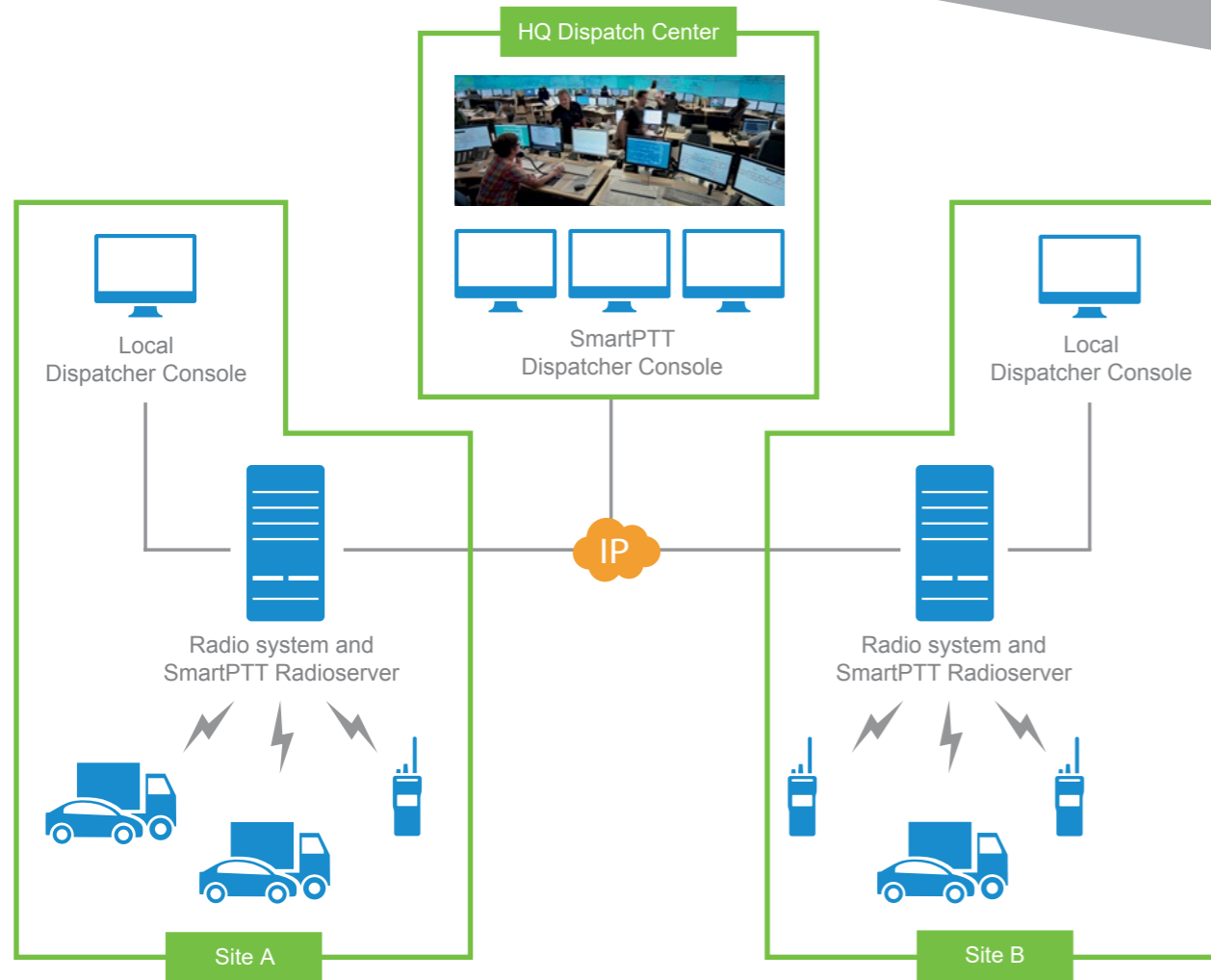
INTEROPERABLE COMMUNICATIONS

Bridging different types of networks ensures smooth migration from analog to digital and communication interoperability between schools, police, fire department, hospital and other agencies

Capacity Max

Analog

Conventional Digital

IP Site Connect

WAVE

Capacity Plus

SMARTPTT RADIOSERVER

Linked Capacity Plus

SEAMLESS COMMUNICATIONS ANYTIME, ANYWHERE, AND WITH ANYONE

Convenient device for each team member in any situation

SmartPTT

PERSONNEL SAFETY FEATURES

NIGHT GUARD SHIFT | Indoor Positioning

AMBULANCE IN ROUTE TO HOSPITAL | GPS Tracking

MONITOR WORKERS IN HAZARDOUS ENVIRONMENTS | Lone Worker

ENTRY INTO PROHIBITED AREAS | Geofencing

WORKER SAFETY IN MINES | Blast Alarm

WORKERS IN DISTRESS | Man Down

SPEED ALERTS | Telemetry

GAIN SITUATIONAL AWARENESS | Remote Listening

PRODUCTS

SOFTWARE

SmartPTT Enterprise

SmartPTT version sold directly by Elcomplus for simplex systems using control stations or conventional and IP Site Connect systems using IP wireline connection to the repeaters

SmartPTT PLUS

Motorola Sold & Supported version of SmartPTT offering full voice and data by wireless connection to all MOTOTRBO topologies

HARDWARE

RG-1000e

RoIP gateway to connect remote donor radios to the SmartPTT radioserver

AdapTel

interface adapter for receiving and transmitting telemetry data in DMR networks

TECHNICAL SERVICES

FASTER IMPLEMENTATION TIMES

➤ RF COVERAGE ESTIMATION

➤ SOFTWARE AND HARDWARE SUPPLY

➤ IMPLEMENTATION ONSITE AND REMOTELY

➤ TECHNICAL AND DISPATCHER TRAININGS
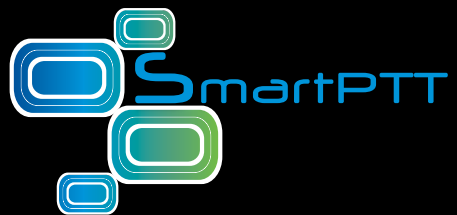
➤ SOFTWARE UPDATES AND TECHNICAL SUPPORT

SMARTPTT IS CUSTOMIZED TO THE CUSTOMER'S NEEDS

DISPATCHER TRAINING HELPS ENSURE CORRECT SYSTEM USAGE AND COMFORT WITH THE SYSTEM

GREATLY REDUCE IMPLEMENTATION ISSUES FOR GREATER CUSTOMER SATISFACTION

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