



WAVE PTXTM

TAKE INSTANTANEOUS COMMUNICATIONS FURTHER WITH
NETWORK-INDEPENDENT BROADBAND PUSH-TO-TALK

PRESENTER NAME
DATE

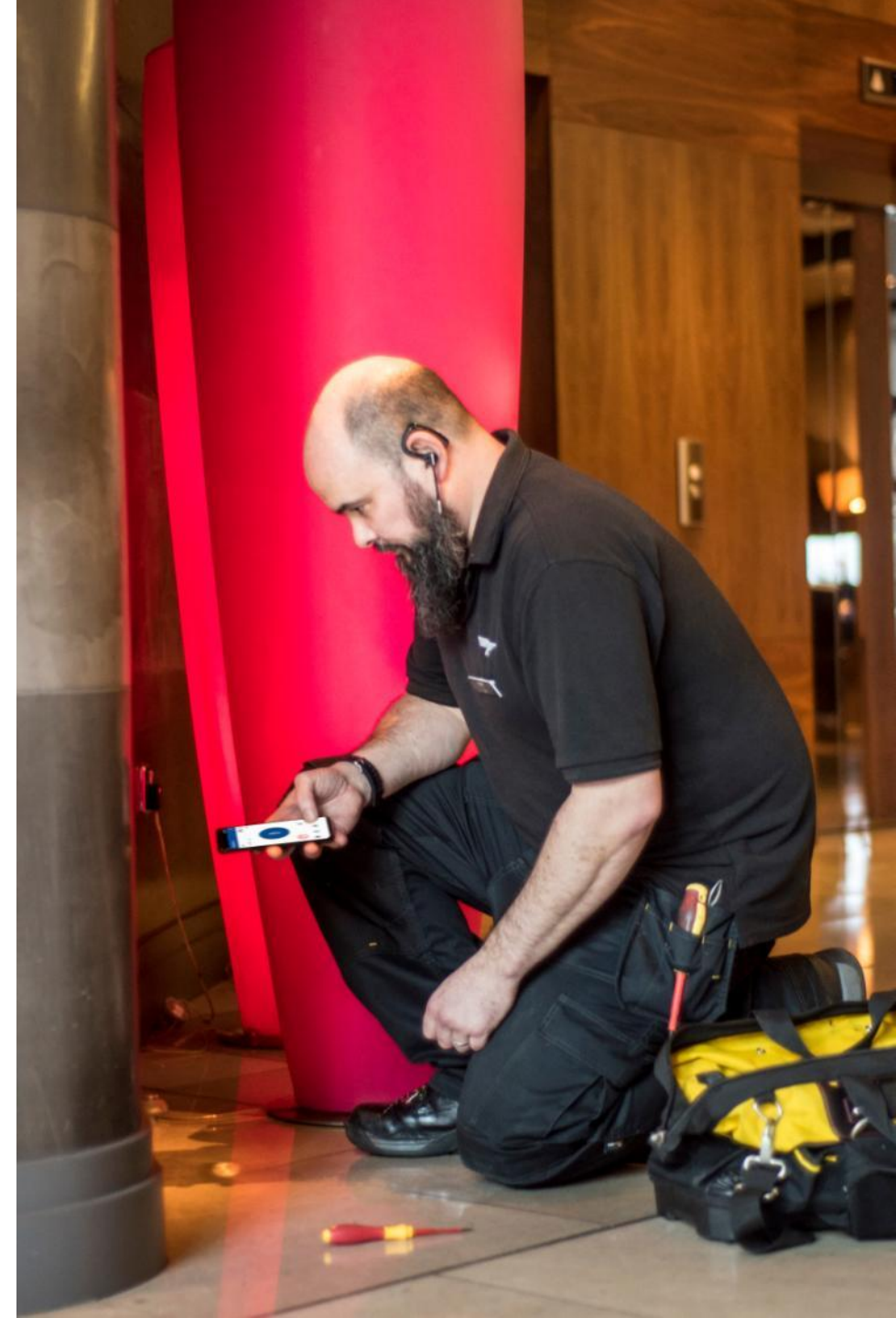
SECRA

SPÉCIALISTE EUROPÉEN DE LA COMMUNICATION RADIO
POUR ÉVÉNEMENTS & MANIFESTATIONS

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AGENDA

- Introduction
- Features & Benefits of WAVE PTX
- Elements of the solution
- Order Workflow
- Roles & Responsibilities
- Where to find more information
- Summary
- Q&A





INTRODUCTION

SECRA

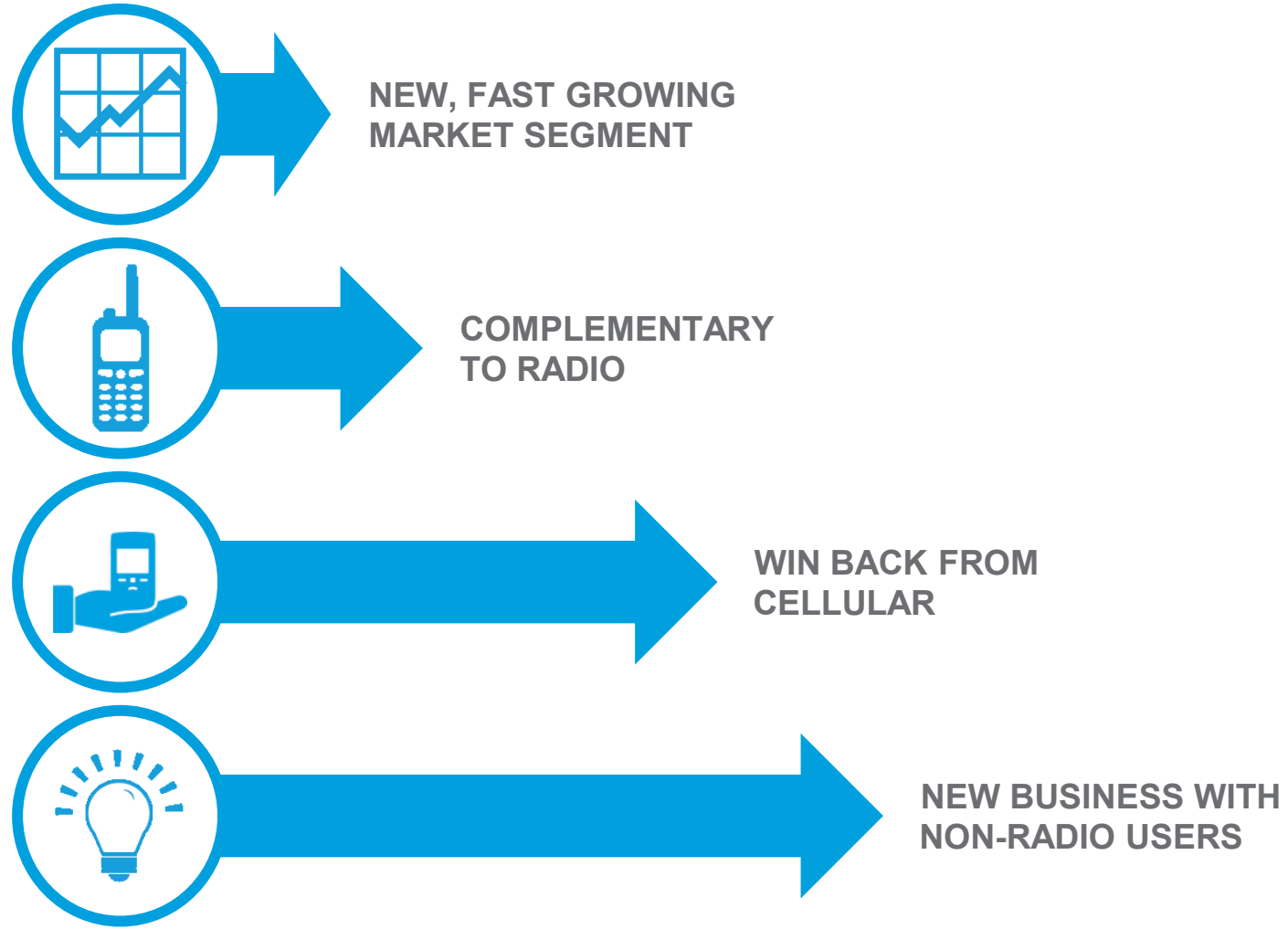
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BROADBAND PUSH-TO-TALK GROWTH VECTORS



| ISSUES IMPACTING EFFECTIVE COMMUNICATIONS

**COMPLEX SALES CYCLES, SYSTEM
SETUP AND USER TRAINING**

WAVE PTX is easy to purchase, easy to deploy and easy to use so teams can start communicating straight away

**LIMITATIONS IN COVERAGE AREA
AND SPEED OF CONNECTIONS**

WAVE PTX operates on 3G/4G and Wi-Fi networks to give coverage wherever you have a broadband connection

**OPERATIONAL OVERHEADS
COST TIME AND MONEY**

WAVE PTX apps and devices don't require individual programming, minimising overheads and time-to-deployment

**COMPANY RESPONSIBILITIES TOWARDS
EMPLOYEES AND THE PUBLIC**

WAVE PTX keeps workers and managers connected to boost safety for workers and those they come in to contact with

**LARGE UPFRONT EXPENSES AND
UNKNOWN RUNNING COSTS**

WAVE PTX procurement balances hardware purchase and recurring subscriptions to control expenditure





FEATURES & BENEFITS OF WAVE PTX





WHAT IS WAVE PTX?

TAKE PTT FURTHER

- Network-independent **broadband push-to-talk** (PTT) subscription service from Motorola Solutions
- Uses the cloud to **extend two-way radio** communication to smartphones, tablets, PC and WAVE PTX radios
- Helps **business and enterprise** organisations work more efficiently and effectively

Eliminate the barriers between devices, networks and locations, and let everyone be part of the conversation



WAVE PTX NETWORK-INDEPENDENT BROADBAND PUSH-TO-TALK

COMMUNICATE AT THE PUSH OF A BUTTON

- BYOD - bring your own device and your own network
 - PTT from a smartphone, tablet or desktop
 - Utilise existing networks
 - Use your own device and the WAVE PTX Mobile App to provide PTT
- Use our device and our service
 - WAVE PTX Radio TLK 100 and TLK 150
 - LEX L11





EASY TO USE AND MANAGE

Communicate instantly and manage your business effortlessly by handling talkgroups and subscriptions in real time



Increase Productivity

Manage your workforce across different networks and devices

Centrally managed talkgroups

Over the air updates

Grows with your business

Scale subscriptions based on your company workload

Communicate across platforms

The WAVE PTX Mobile App enables instant communication between two-way radios and smartphones across networks

Radio integration capabilities

Connect to MOTOTRBO™ systems you already own

One button, multiple teams

Collaborate at the speed of business with push-to-talk



WAVE PTX OVERVIEW - TARGET VERTICALS



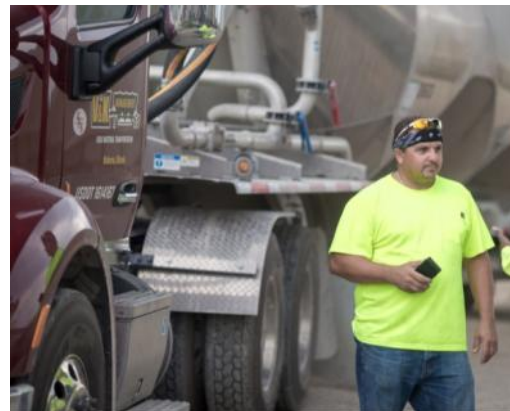
INSTANT GROUP COMMUNICATION WITH OR WITHOUT THE RADIO

CHOOSE THE RIGHT DEVICE FOR THE ROLE AND ENVIRONMENT



Front Office

Tablet



Field

Smartphone



Job Site

Radio



Dispatch

Desktop

Communicate across devices



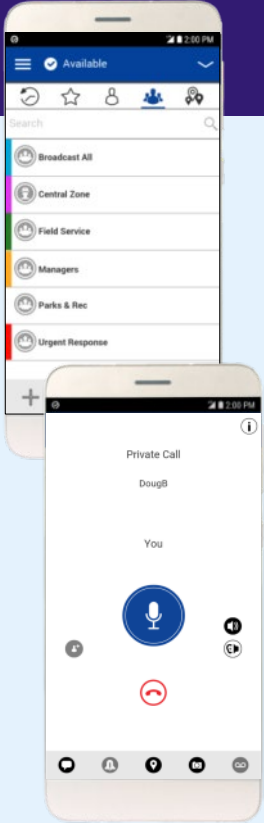


ELEMENTS OF THE SOLUTION



WAVE PTX OVERVIEW - SOLUTION COMPONENTS

WAVE PTX MOBILE APP



TURN YOUR SMARTPHONE INTO A PTT HANDSET AND LET EVERYONE BE PART OF THE CONVERSATION.

Get the speed and simplicity of Push-to-Talk (PTT) communications with the ability to share multimedia information at the touch of a button.



INSTANT PTT COMMUNICATION

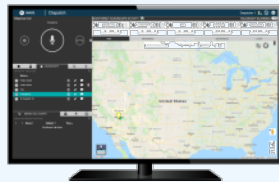


MULTIMEDIA MESSAGING



LOCATION AND MAPPING

WAVE PTX DISPATCH



DISPATCH FROM ANYWHERE WITH AN INTERNET CONNECTION AND STANDARD WEB BROWSER

Stay connected to your teams and field personnel, wherever they are, with WAVE PTX Dispatch.



WEB-BASED DISPATCHING



MULTIMEDIA MESSAGING



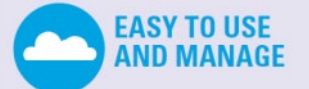
LOCATION AND MAPPING

WAVE PTX & TLK RADIO



GET THE BENEFITS OF WAVE PTX AND A RUGGED TWO-WAY RADIO ON A EUROPE-WIDE NETWORK.

The WAVE PTX radios offer rugged, compact devices that can withstand everyday knocks and drops and combine 3G/4G and Wi-Fi® Connectivity to provide fast and reliable broadband PTT communications.



EASY TO USE AND MANAGE



BUILT FOR THE JOB



EUROPE-WIDE PUSH-TO-TALK

All of these components are managed through the WAVE PTX Admin Portal









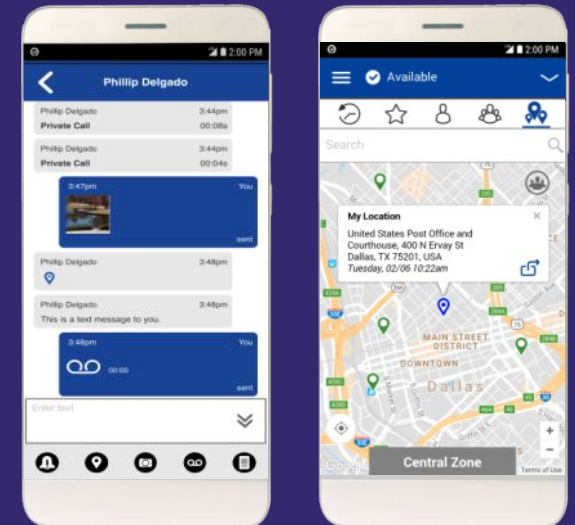
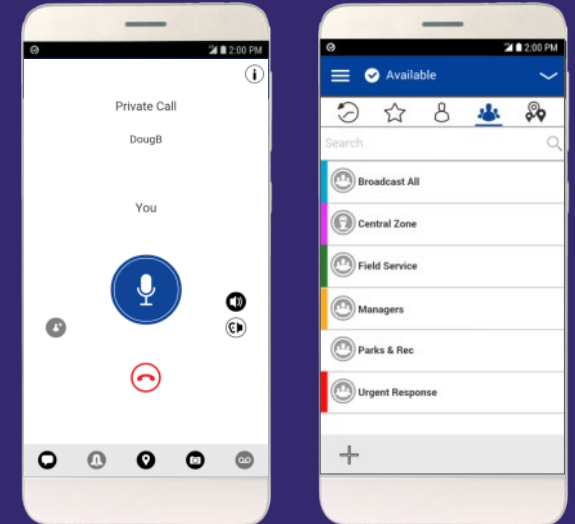
TURN YOUR PHONE INTO A PTT HANDSET

Get the speed and simplicity of radio
communication on the phones your team
already carries

WAVE PTX MOBILE APPLICATION

SINGLE APPLICATION. MULTIPLE MEDIA.

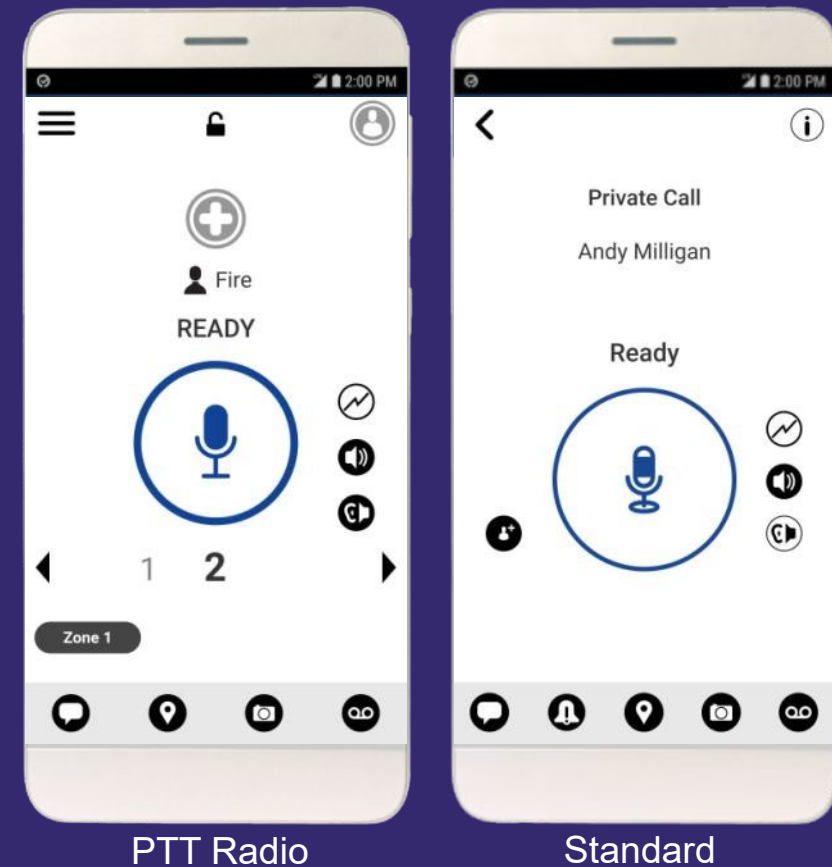
-  PTT Communications
-  Text Messaging
-  Location Services
-  Photo and Video Sharing
-  Real-Time Presence
-  Voice Message Fallback



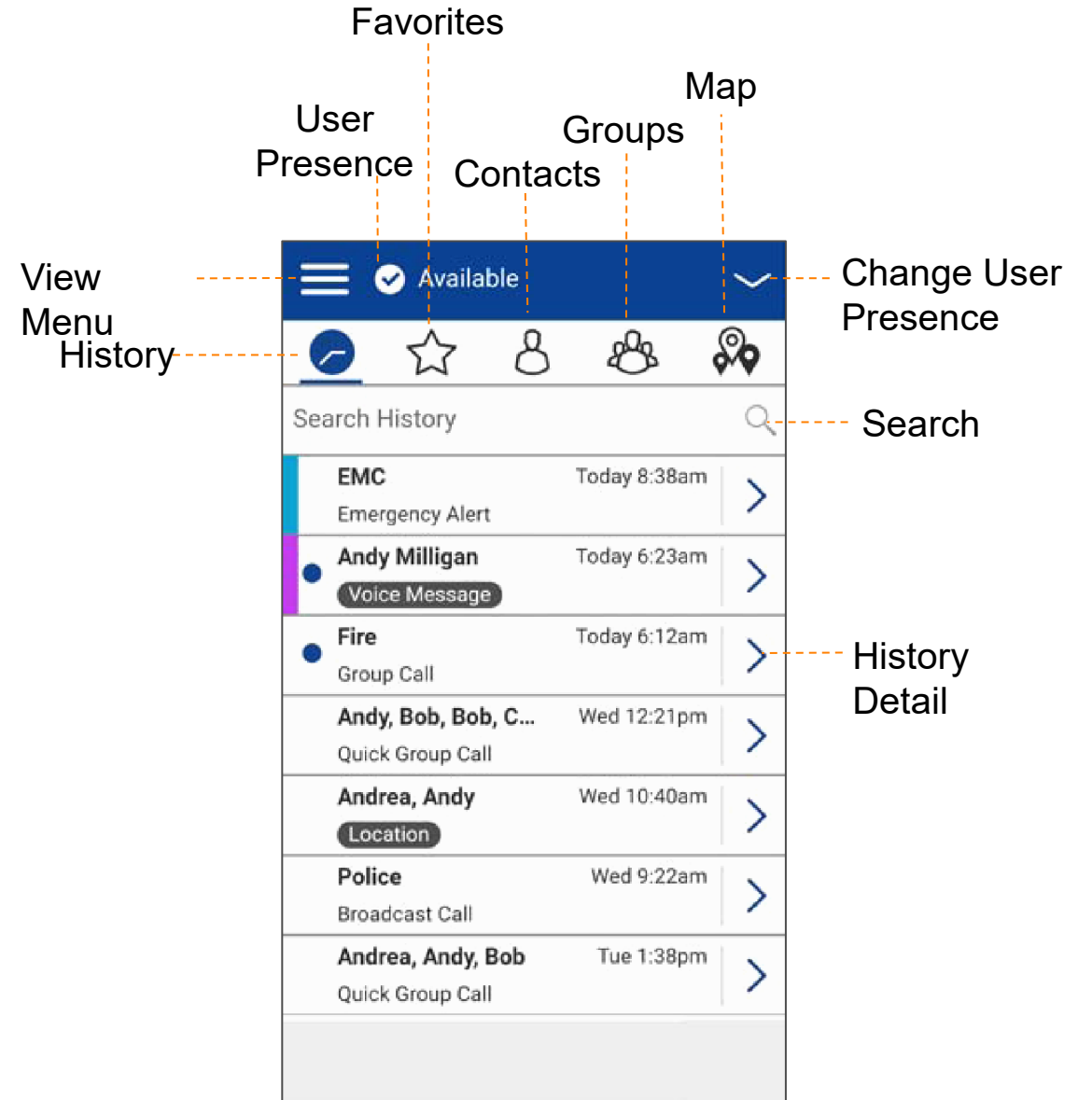
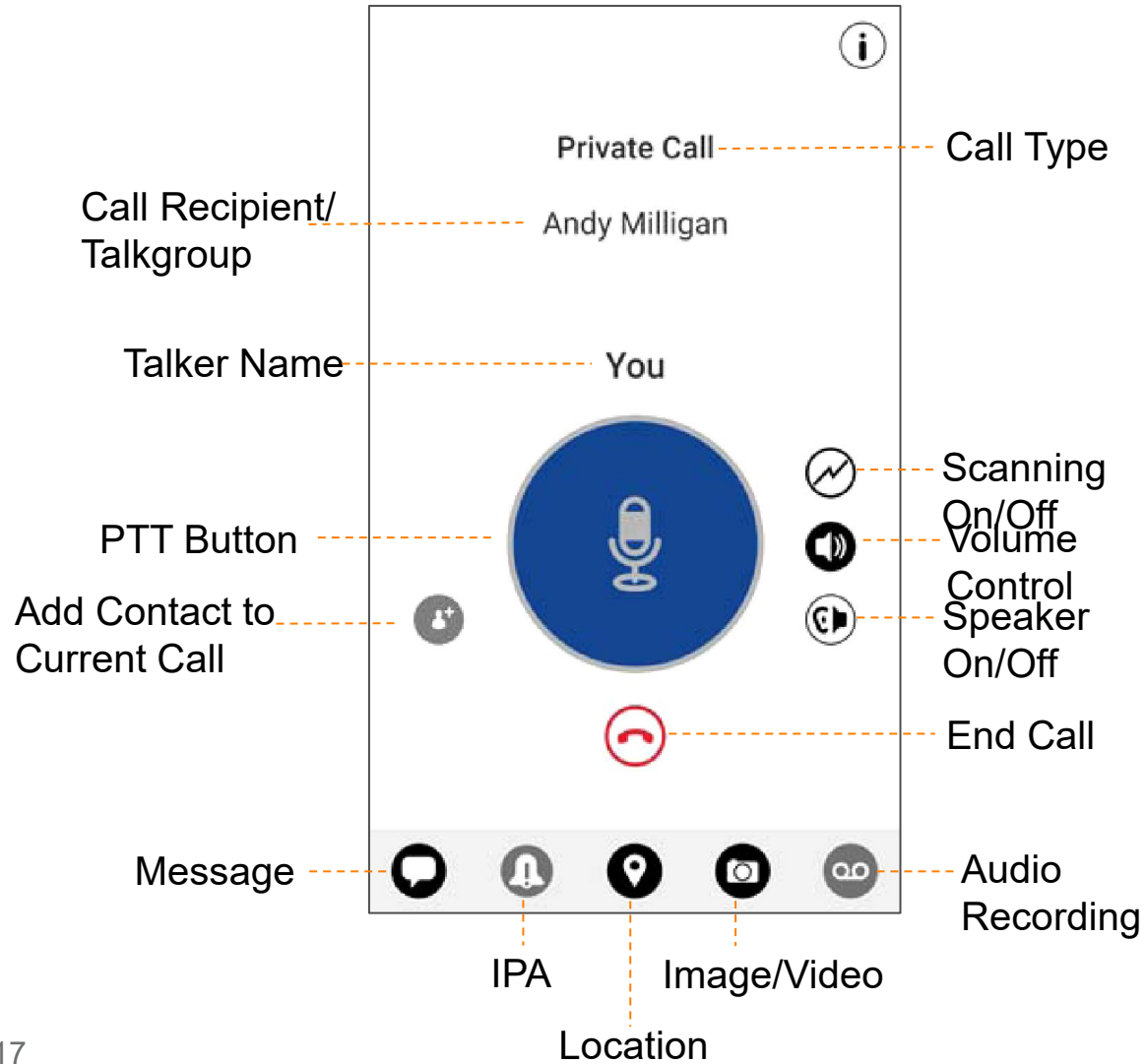
APPLICATION MODES

ONE APPLICATION.TWO MODES

- Multiple user modes within one Broadband PTT application
 - PTT Radio Mode to emulate the look and feel of conventional radio, including support for up to 96 talkgroups across the 12 available zones
 - Standard Mode if you communicate with diverse set of individuals and talkgroups
- Make communications easier and more efficient by selecting the mode that best fits with each user's calling needs

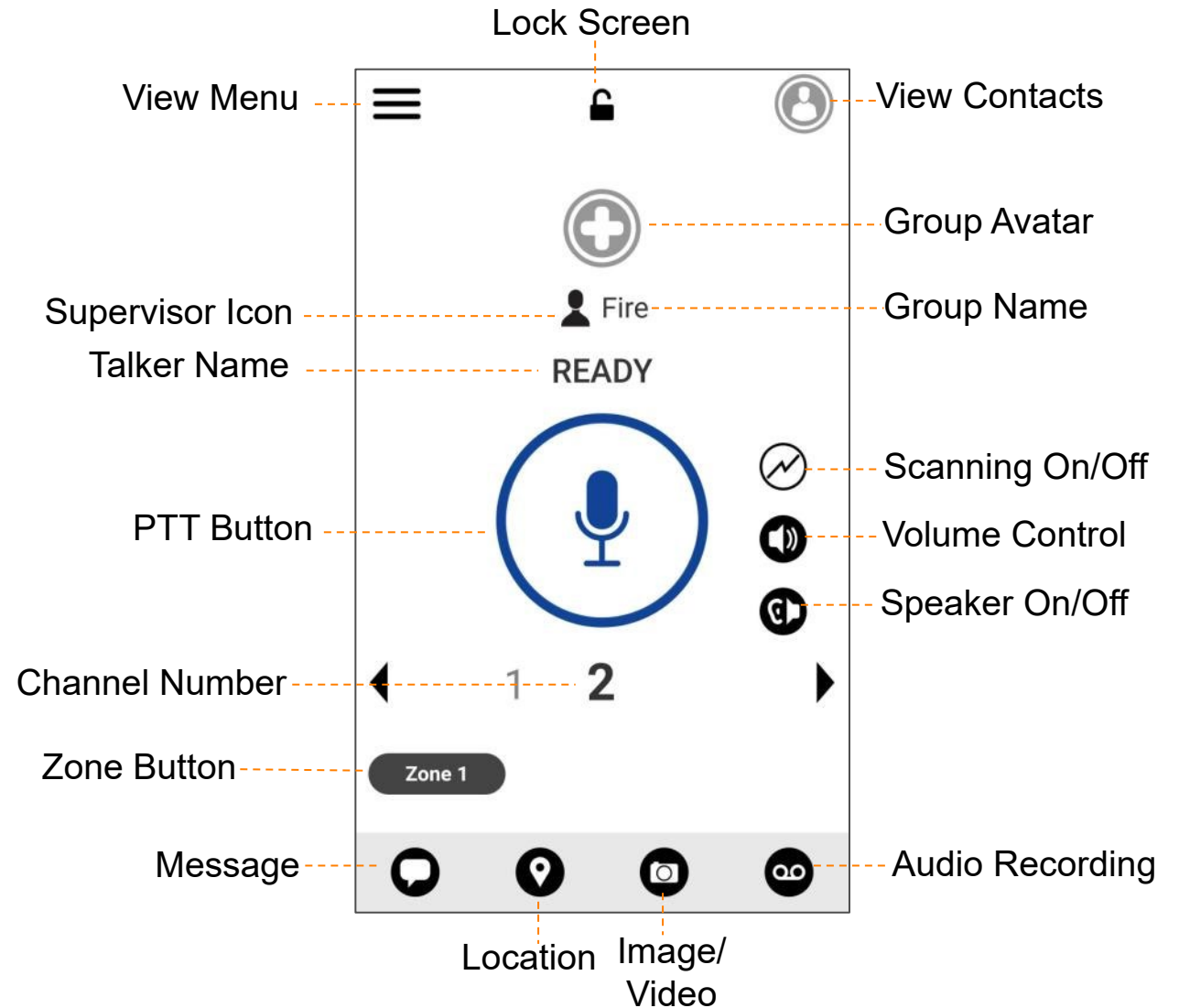


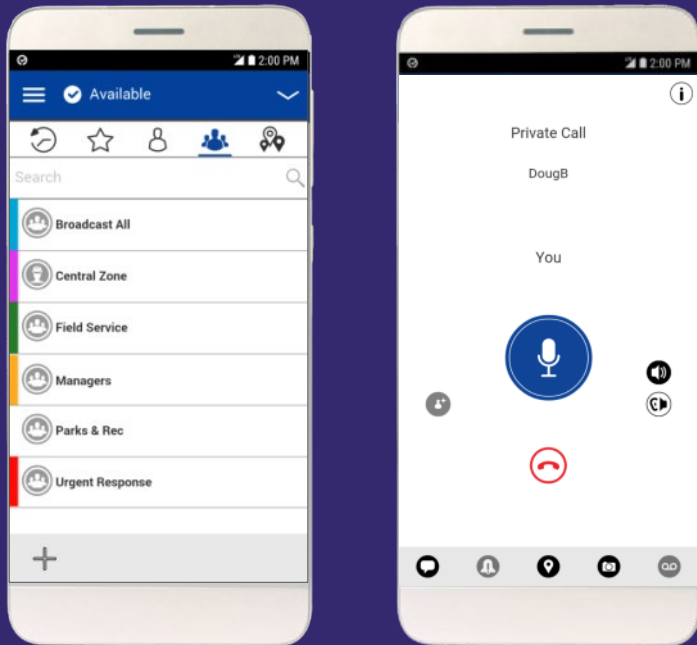
STANDARD MODE





PTT RADIO MODE



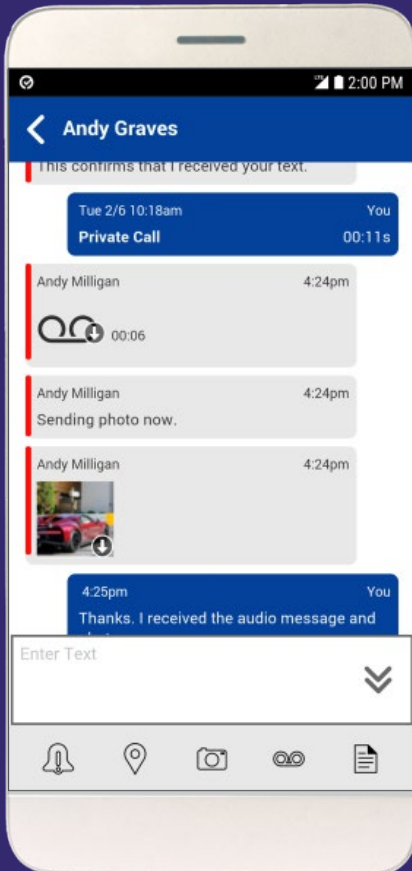


PTT COMMUNICATION

NOTHING IS FASTER THAN PTT

- Presence – Available, Do Not Disturb
- Group & private calls
- Contact list
- Favourites list
- Supports soft PTT or hard PTT buttons
- Background calling
- Call alert, missed call alert
- Communication history
- Voice message fallback





INTEGRATED MESSAGING

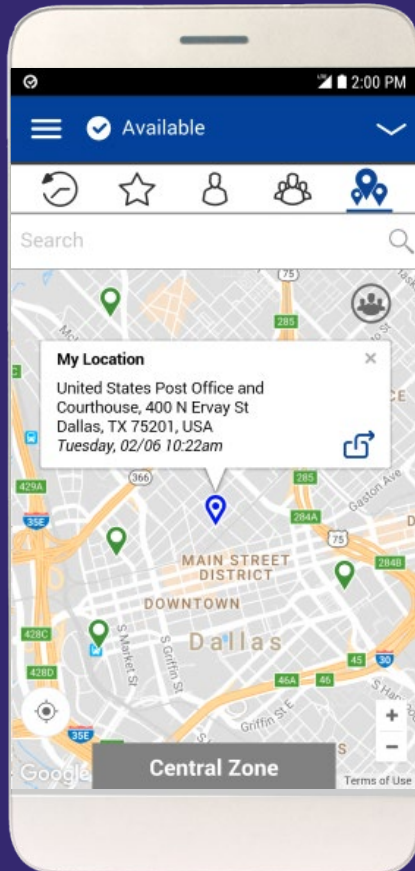
WHEN THE DETAILS ARE CRITICAL

- Text, picture, video, audio and file attachments
- Easy to read communication thread with time stamps
- Reply, reply to all, forward
- Store and forward means no lost messages if devices is turned off or out of range



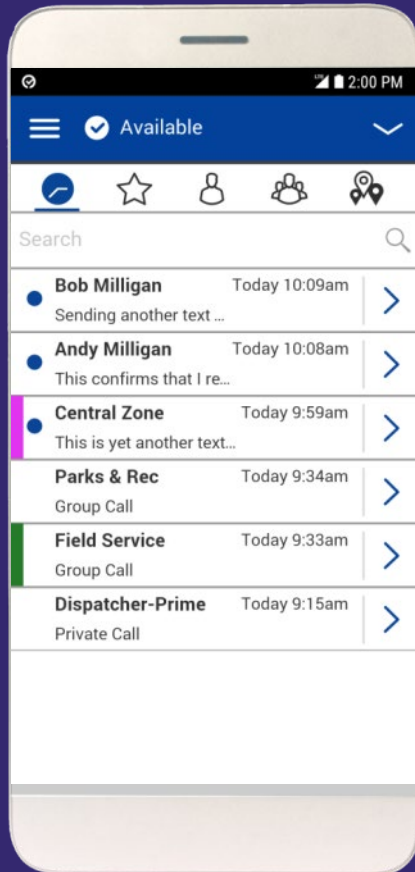
LOCATION AND MAPPING

SEE THAT EVERYONE IS POSITIONED FOR THE JOB



- Share your location with an individual or a group
- View other users and status on a map
 - The ability to view others' locations is enabled/disabled by the administrator
- Find an address
- Drop a pin on a map and share





HISTORY

SEE PAST COMMUNICATION THREADS

- See a snapshot of all your past communications in one view
- Includes group and individual calls
- Unread messages are indicated



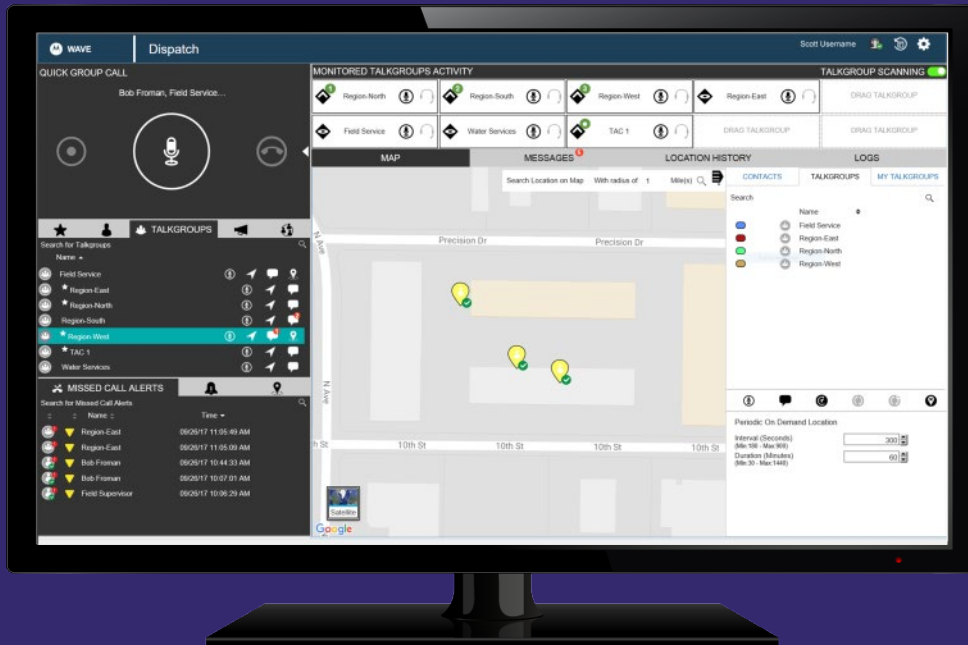
A man with short dark hair, wearing a blue polo shirt, is shown in profile, looking intently at a screen. The background is a blurred control room with various equipment and screens.

CENTRALISE COMMUNICATION ANYWHERE

INCREASE TEAM EFFICIENCY AND SAFETY

WAVE PTX DISPATCH

CENTRALISED COMMUNICATION ANYWHERE



- Secure internet login
- Standard web browser (IE11 or Chrome)
- No application to download or install*
- Automatic application updates

* A simple plug-in will automatically install on your browser. The app resides in the cloud in our data centres.



PTT COMMUNICATION

Communicate Instantly

Reach out to an individual, a group or your entire organisation at the click of a mouse

Call activity

Contacts & talkgroups

Alerts & Missed calls

Monitored talkgroups

Call logs

The screenshot displays the WAVE Dispatch interface, which is divided into several sections:

- ONE-TO-ONE CALL:** A large central area for initiating or managing a call with a "Field Supervisor". It includes a microphone icon and a call button.
- CONTACTS:** A list of contacts with search functionality. The "Field Supervisor" is highlighted.
- MONITORED TALKGROUPS ACTIVITY:** A section showing active talkgroups: Region-North, Region-South, Region-West, Field Service, Water Services, and TAC 1.
- MAP:** A map view for tracking locations.
- MESSAGES:** A section for managing messages.
- ALERT LOGS:** A table showing alert history with filters for "From Date" (19-09-2017) and "To Date" (26-09-2017).
- CALL LOGS:** A table showing call history with filters for "Name" and "Phone Number".
- GEOFENCE LOGS:** A section for geofence activity.
- MISSED CALL ALERTS:** A table showing missed call alerts with columns for "Name" and "Time".

Orange lines connect the text labels to specific features in the interface:

- "Call activity" points to the "ONE-TO-ONE CALL" section.
- "Contacts & talkgroups" points to the "CONTACTS" and "MONITORED TALKGROUPS ACTIVITY" sections.
- "Alerts & Missed calls" points to the "ALERT LOGS" and "MISSED CALL ALERTS" sections.
- "Monitored talkgroups" points to the "MONITORED TALKGROUPS ACTIVITY" section.
- "Call logs" points to the "CALL LOGS" section.

Name	Phone Number
Field Supervisor	555-555-1011
Field Supervisor	555-555-1011
Field Service Manager	555-555-1004
Bob Froman	555-555-1000
Dispatcher-Alpha	555-555-6610
Bob Froman	555-555-1000
Field Service Manager	555-555-1004
Field Service Manager	555-555-1004
Water Services	555-555-1000
Water Services	555-555-1000
Field Service	555-555-1000
Field Service	555-555-1000
Water Services	555-555-1000
Water Services	555-555-1000

Name	Time
Region-East	09/26/17 11:05:49 AM
Region-East	09/26/17 11:05:09 AM
Bob Froman	09/26/17 10:44:33 AM
Bob Froman	09/26/17 10:07:01 AM
Field Supervisor	09/26/17 10:06:29 AM

showing 1 to 25 of 28
Page 1 of 2



MESSAGING

Ensure Accuracy

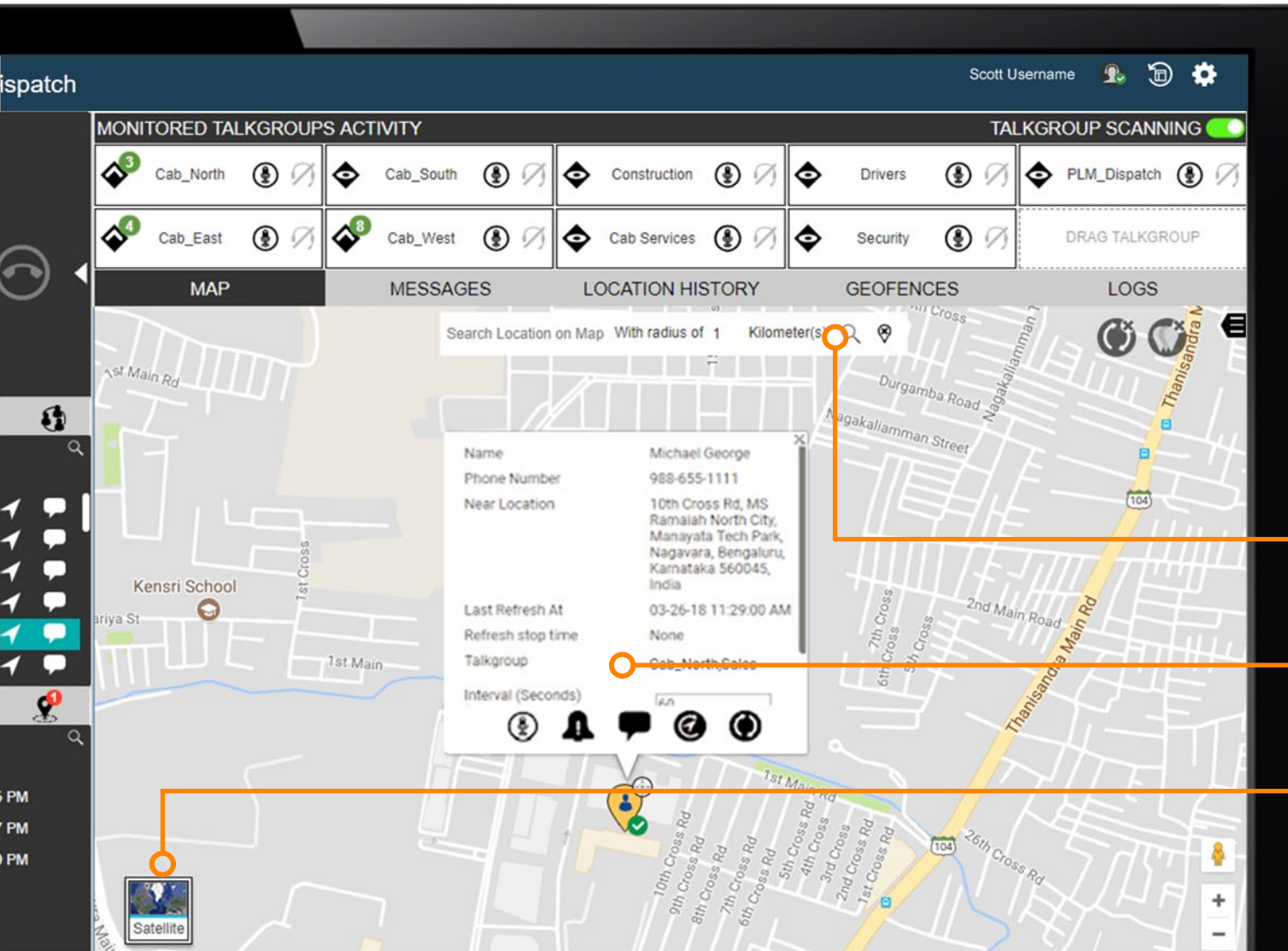
When the details are important, ensure everyone clearly understands the fine points

Multimedia message thread

Attach photos, video, audio or documents



LOCATION AND MAPPING



Increase Efficiency and Safety

See that your team is well positioned to quickly respond

Find an address or point of interest

In-map communication

Selectable map views



LOCATION AND MAPPING

Dispatch

Scott Username

MONITORED TALKGROUPS ACTIVITY

TALKGROUP SCANNING

3 Cab_North	Cab_South	Construction	Drivers	PLM_Dispatch
4 Cab_East	8 Cab_West	Cab Services	Security	DRAG TALKGROUP

MAP MESSAGES **LOCATION HISTORY** LOGS

Play route taken

Beginning and ending positions

Location History

Follow the breadcrumbs and see the route(s) taken by an individual or group



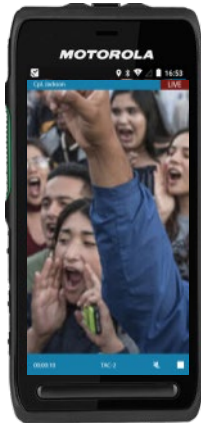
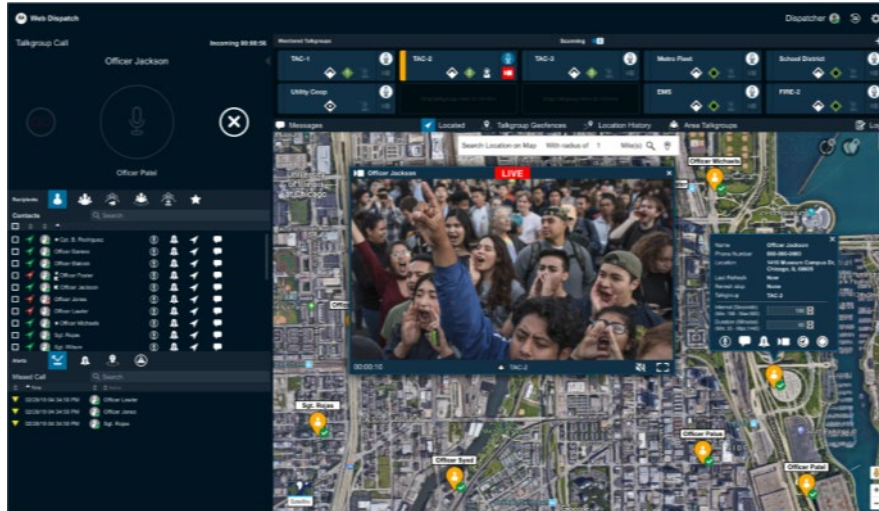
An aerial night view of a city, likely Chicago, showing a river (the Chicago River) flowing through the center. Several bridges cross the river, and the surrounding area is filled with tall, illuminated skyscrapers. The sky is a deep blue, and the city lights reflect on the water. A blue vertical bar is on the left side of the text.

PROVIDE A REAL-TIME VIEW OF EVENTS AND ACTIVITIES AS THEY HAPPEN

Continuously stream video from your device at the push of a button



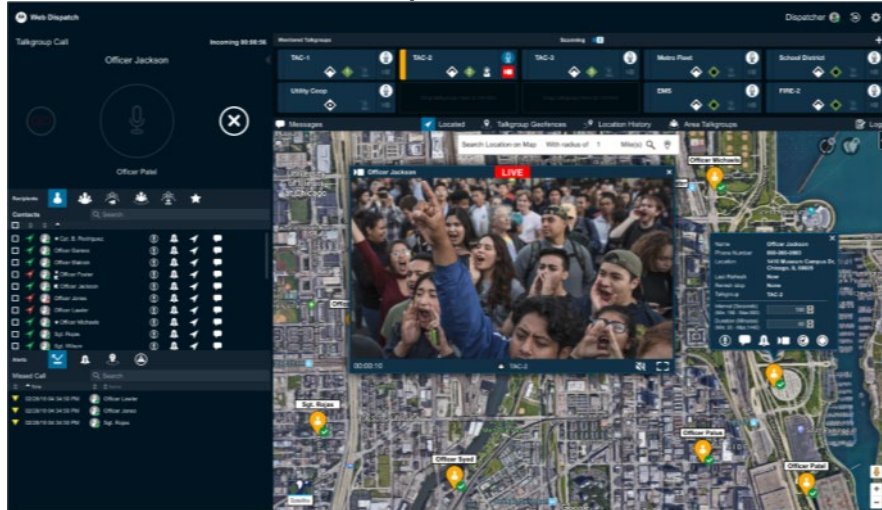
STREAMING VIDEO OVERVIEW



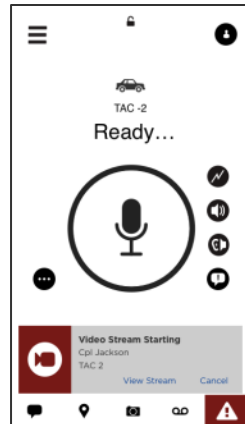
- Push Video – mobile user initiated streaming
- Pull Video – dispatcher initiated video
- Video streamed to individuals, defined groups or ad hoc groups
- Simultaneously stream video and initiate/receive PTT calls

PUSH VIDEO

Dispatcher



Video Stream



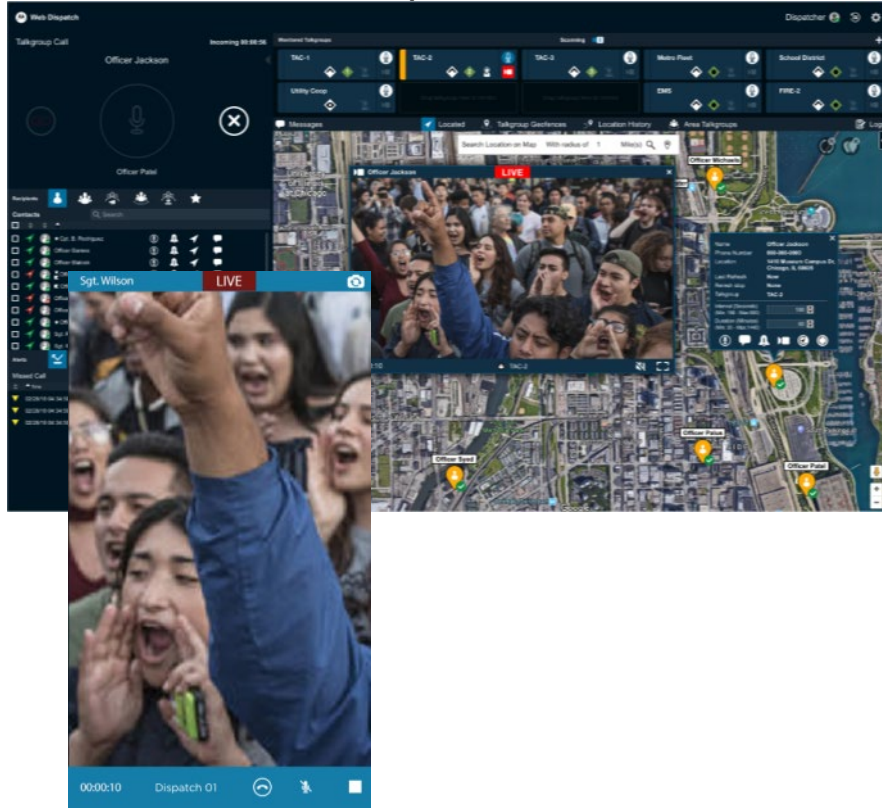
Mobile User

- Users and dispatchers either receive notification of incoming video stream (manual answer) or video barges with tone (auto answer)
- ID provided for user streaming video
- PTT call and video audio can be mixed or call audio takes priority
- Past video streams shown in history
- Dispatchers only, monitored talkgroups show active video streams
 - *Dispatchers can switch between active video streams*



PULL VIDEO

Dispatcher



Streaming Video

- Available to dispatchers only
- Dispatcher authorized to request video from user
 - *Confirmed Pull* – request is sent and video streaming starts upon user acceptance
 - *Unconfirmed Pull* – video streaming starts automatically upon receipt of request unless prohibited by user
- Monitored talkgroups show active video streams

STREAMING VIDEO CASE STUDIES

CASE 1: “Ambulance Service” | Vertical: Transportation / Healthcare

Challenge: Regional ambulance service needs to provide frontline EMTs with the ability to instantaneously stream live video to trauma centre physicians. Providing physicians with real time video information for critical patients is key to getting them the care they need quickly.

Solution: Provide EMTs and trauma personnel WAVE PTX broadband PTT and streaming video, giving them the speed and efficiency of push-to-talk combined with the power and flexibility of video communications, available on any LTE network.

CASE 2: “HVAC Installation Team” | Vertical: Services

Challenge: Installation team for local HVAC company needs a simple tool for instant video collaboration when on the job site, either with other teams in the field or engineers in the office. Traditional collaboration tools failed the simplicity test or weren’t available on devices that fit with their challenging work environment.

Solution: Field installation teams were provided with ruggedized smartphones with the WAVE PTX broadband PTT and streaming video. Field installation teams now have a video collaboration tool that fits with their existing workflows and is available whenever and wherever the collaborators are, in the office or in the field anywhere in the country.



STREAMING VIDEO CASE STUDIES

CASE 3: “Security” | Vertical: Private Security

Challenge: Private security firm needs unobtrusive video communications tool so field operatives can provide dispatchers and supervisors with a clear view of incidents as they unfold.

Solution: Provide security officers with WAVE PTX broadband PTT, dispatchers with WAVE PTX Dispatch, and enable streaming video for all personnel. Field officers now have the communication tool needed to enhance clarity and improve situational awareness, providing a real-time view of events and activities as they happen.

CASE 4: “Manufacturing Technician” | Vertical: Manufacturing

Challenge: Manufacturer needs to provide technicians implementing a new line on the floor with a tool for video collaboration with engineers and vendors.

Solution: Provide technicians with ruggedized smartphones with WAVE PTX broadband PTT and streaming video, engineers and vendor reps have WAVE PTX and streaming video on their tablets or phones. Technicians can provide streaming video to individuals or groups, getting access to the right people to resolve problems as they occur.





STAY CONNECTED WITH DEDICATED WAVE PTX DEVICES

**Combine the broad coverage of Europe-wide mobile
phone networks with the ease of two-way radio**



WAVE PTX TWO-WAY RADIOS TLK 100 AND TLK 150

GET THE JOB DONE



Easy to use and manage

- Communicate instantly and manage talkgroups and subscriptions in real time



Built for the job

- Get the benefits of WAVE PTX PTT with a rugged two-way radio



Europe-wide push-to-talk

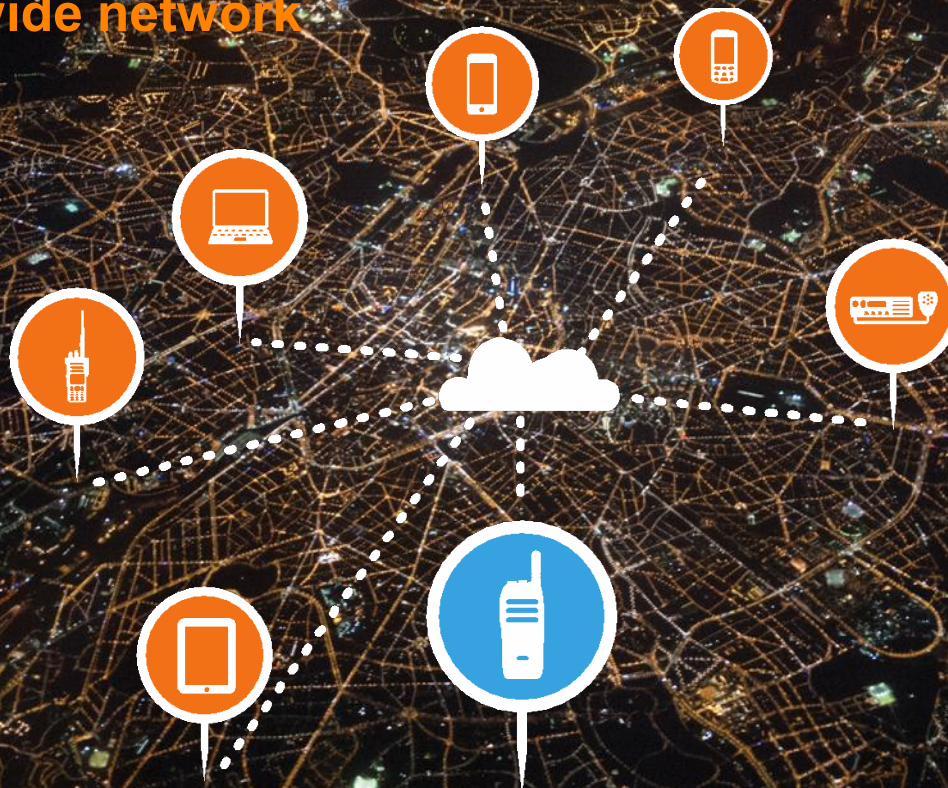
- Get the best of both worlds by using two-way radio communication on European mobile phone network
- Multi-network resilience and automatic roaming





EUROPE-WIDE PUSH-TO-TALK

Get the best of both worlds with
two-way radio communication
on a country-wide network



Europe-wide Push-to-Talk

Communicate instantly with team members across the country and beyond at the push of a button

Network Speed

Fast track productivity with a network that powers the quickest push-to-talk setup and call times

Coverage you can count on

Thanks to automatic roaming and network selection, you don't have to worry about dropping calls

Enhance your cover with Wi-Fi

Utilise TLK 100 and TLK 150 on existing Wi-Fi where needed and provision Wi-Fi settings remotely on all devices





BUILT FOR THE JOB



Purpose built for business, everything about the WAVE PTX TLK Series is designed to improve worker communication and effectiveness

Built Tough

Designed to perform in harsh working environments

Location Tracking

Manage your workforce using GPS

Wi-Fi Connectivity

Stay in touch where cellular coverage may be limited

SL1600 Accessory-compatible

Leverage prior investments in MOTOTRBO SL1600 accessories

Long Battery Life

18 hours of battery life

Screenless Design

Minimise distractions of email, text and other apps



TLK SERIES WITH SIMPLE FLEET MANAGEMENT

Single click, hours saved

Whether you're managing 10 devices or a fleet of 10,000, minimising administration can save your business time and money

- Change talk groups
- Modify device names
- Add Wi-Fi® credentials
- Disable devices

...all in seconds, not hours, without touching a single device



WAVE PTX TLK 100 PORTABLE RADIO



Network	3G/4G, Wi-Fi
Channel Capacity	96 channels
Contact List	300 contacts
Dimensions (HxWxL)	With Antenna: 169 x 59 x 22 mm
Weight with Battery	170g
Battery Capacity	3.7V (Nominal) 2500mAh
Battery Life (5:5:90 Duty Cycle)	18 hours
Voice Codec	OPUS
Bluetooth	V4.2, BLE
GPS	GNSS / A-GNSS (GPS, GLONASS, Galileo, BeiDou)
Wi-Fi	IEEE 802.11 a/b/g/n 2.4/5.0 GHz
Sim Card	Pre-installed SIM
IP Rating	IP54 IEC60529
Apps Supported	Powered by WAVE PTX
Encryption	AES-256



■ WAVE PTX RADIO TLK 100 IN-BOX ACCESSORIES



WAVE PTX
Radio TLK 100



TLK 100
Carry Holster



EU or UK
Wall Charger



2500mAh
Li-Ion Battery

TLK 100 ACCESSORIES



BATTERIES, CHARGERS AND CABLES

Keep your radios functioning at all times with these essentials. Charge your Lithium Ion batteries in single or multi-unit charging docks.

PMNN4578*	Li-Ion 2500 mAh Battery
HKLN4684*	Battery Cover
PS00042A12	Micro USB Wall Charger, 5W 100V-240V (EUR plug)
PS00042A13	Micro USB Wall Charger, 5W 100V-240V (UK plug)
PMLN7102	Six-Pocket Multi-Unit Rapid Rate Charger, 90V-264V (EUR plug)
PMLN7162	Six-Pocket Multi-Unit Rapid Rate Charger, 90V-264V (UK plug)
PMLN7110	Single-Unit Rapid Rate Charger 5V/1A, 5W, 100V-240V (EUR plug)
PMLN7163	Single-Unit Rapid Rate Charger 5V/1A, 5W, 100V-240V (UK plug)
CB000262A01	Micro USB Programming Cable



CARRY ACCESSORIES

Our versatile portfolio includes a swivel carry holster (ships in-box with radio), a flexible hand strap and a rotating heavy duty belt clip.

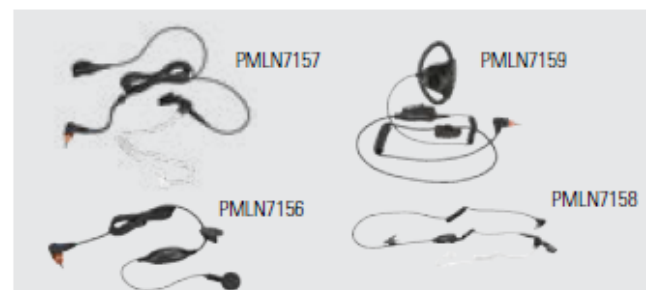
PMLN6074	Nylon Wrist Strap
PMLN7128	Heavy-Duty Swivel Belt Clip
PMLN7932	Carry Holster with Swivel Belt Clip*



ANTENNAS

Outfit your WAVE radio with a high efficiency stubby antenna. Coloured antenna ID bands are available for easy customisation.

HKAN4003	Stubby Antenna - LTE
32012144001	Gray Antenna ID Band (pack of 10)
32012144002	Yellow Antenna ID Band (pack of 10)
32012144003	Green Antenna ID Band (pack of 10)
32012144004	Blue Antenna ID Band (pack of 10)
32012144005	Purple Antenna ID Band (pack of 10)



AUDIO ACCESSORIES

WAVE radio audio accessories are designed for lasting comfort and improved device performance. In-line microphones and prominent push-to-talk buttons provide easy hands-free communication.

PMLN7189	Swivel Earpiece with In-Line Microphone and Push-To-Talk Button
PMLN7156	Mag One Earbud with In-Line Microphone and Push-To-Talk Button
PMLN7157	2-Wire Surveillance Kit with Translucent Tube, Black
PMLN7158	1-Wire Surveillance Kit with In-Line Microphone and Push-To-Talk Button, Black
PMLN7159	Adjustable D-Style Earpiece with In-Line Microphone and Push-To-Talk Button, Black
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip
5080384F72	Replacement Foam Plugs for RLN6242. Noise Reduction = 24dB. Pack of 50 pairs.
RLN6282	Replacement Standard Clear Rubber Eartip for RLN6242. Pack of 50.

■ TLK 100 CASE STUDIES

CASE 1: Rental Car Company | Vertical: Transportation / Logistics

Challenge: To track bus driver locations, provide loud clear audio near airport, communicate between radio users and manager smartphones. Rapid deployment with minimal infrastructure.

Solution: 16 TLK 100's for bus drivers, counter reps, and vehicle team. Management equipped with WAVE PTX Mobile application subscriptions for smartphones. 18,000 calls in less than four weeks under 24 x 7 operations.

CASE 2: Property Maintenance Team | Vertical: Construction

Challenge: Local property management team lacked a simple team communication tool. Mobile phones suffered blackspots, poor in-building reception and some workers distracted using phones for personal use.

Solution: Maintenance staff issued with TLK 100 and managers with WAVE PTX Mobile app subscriptions. TLK 100s automatically switch to get the best network signal and rugged devices suffered less accidental damage.

CASE 3: Radio Rental Service | Vertical: Various | Hire Model

Challenge: Events team for high-tech company needed to provide large number of temporary employees with PTT solution for week-long corporate event. Needed to cover a wide area and include dispatch function.

Solution: Company rented 80 TLK 100's with WAVE PTX broadband PTT and WAVE PTX Web Dispatch. Devices were simple to use, coverage was ubiquitous, and PTT communication was instantaneous with superior audio quality.



■ TLK 100 FEEDBACK



EASY TO USE AND MANAGE

- “Ease of management/deployment make the TLK 100 standout”
- “Device was easy to learn and train employees.”
- “First time our team was able to connect seamlessly on upper floors (using Wi-Fi)”



BUILT FOR THE JOB

- “Audio quality excellent, even near runway”
- “Slim form factor is awesome, fits in pocket”
- “Zero distraction device. More time on tools, not toys (smartphones).”

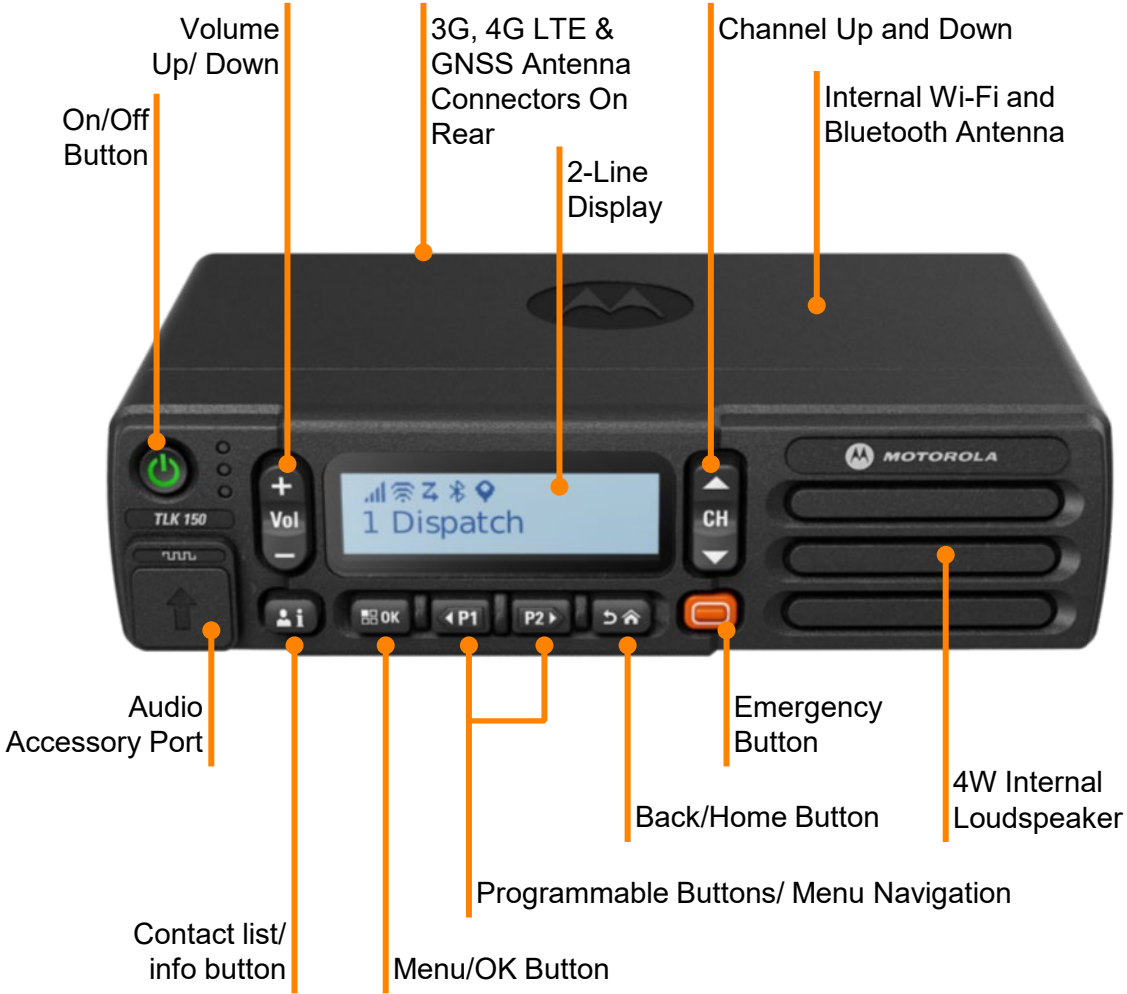


RELIABLE PUSH-TO-TALK

- “Coverage is great--perfect connection with zero dead spots.”
- “We used to lose coverage in some areas but not with these devices”
- “Devices work in basements where mobile phones don’t”



WAVE PTX TLK 150 PORTABLE RADIO



Network	3G/4G, Wi-Fi
Channel Capacity	96 channels
Contact List	300 contacts
Dimensions (HxWxL)	169 x 44 x 93 mm
Weight with Battery	640g
Voice Codec	OPUS
Bluetooth	V4.2, BLE
GPS	GNSS / A-GNSS (GPS, GLONASS, Galileo, BeiDou)
Wi-Fi	IEEE 802.11 a/b/g/n 2.4/5.0 GHz
Sim Card	Pre-installed SIM
IP Rating	IP54 IEC60529
Apps Supported	Powered by WAVE PTX
Encryption	AES-256



■ WAVE PTX RADIO TLK 150 IN-BOX ACCESSORIES



WAVE PTX Radio TLK 150



Power Cable



LTE Dash/Glass Mount Antenna



Microphone



GNSS Dash Mount Antenna

WAVE PTX RADIO TLK 150 ACCESSORIES



PUSH-TO-TALK SOLUTIONS

Make communicating easier and safer with these optional accessories from a simple PTT microphone to a complete hands free solution.

PMMN4129	Wideband Compact Mobile Microphone
GMMN4065	Visor Microphone
RLN4856	Footswitch Push-to-Talk
RLN4857	Remote Mount Pushbutton Push-to-Talk
RLN4836	Emergency Footswitch
PMMN4127	WM500 Bluetooth Remote Speaker Microphone



EXTERNAL SPEAKER

Boost audio at your workstation or in your vehicle.

AC000240A01	Wideband External Speaker, 13 W
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ANTENNAS

AN000359A01	GNSS Dash Mount Antenna
AN000358A01	LTE Dash/Glass Mount Antenna

CABLES AND ACCESSORIES

HKN4137	DC Power Cable With Inline Fuse 3m/10ft, 15A
HKN9327	Ignition Switch Cable
HLN9457	16 Pin MAP Connector Kit
HKN4192	Battery Power Cable (6m / 20ft, 20 A)
GMKN4084	Speaker Extension Cable



MOUNTING ACCESSORIES

Choose where to mount the radio without compromising safety.

RLN6466	Low Profile Trunnion Kit
RLN6467	High Profile Trunnion Kit
RLN6468	Key Lock Trunnion Mount
FTN6083	In-Dash Mounting Kit - DIN
HLN9073	Microphone Hang-Up Clip (install by screwing to convenient surface)
HLN9414	Universal Microphone Hang-Up Clip (no installation required)

DESKTOP ACCESSORIES

Mounting aids for use in desktop control stations.

GLN7318	Desktop Tray Without Speaker
PMPN4076	Desktop Wedge Tray With Built-in Power Supply

A range of cables to connect the power supply and TLK 150 are available. Talk to your authorised Motorola Solutions reseller for more information.



KEEP EVERYONE INFORMED AND SAFE

Connect radio and broadband users so
everyone can be part of the conversation



SAFEGUARD PACKAGE WITH TWO-WAY RADIO INTEROP

WHEN YOU CAN'T BRING YOUR RADIO,
BRING YOUR RADIO CHANNELS

- Expand coverage
- Reach more team members
- Add features to improve safety, situational awareness, and operational efficiency for all users
- Give everyone the best fit device for their role



WAVE PTX SAFEGUARD FEATURE SET

ENHANCE SAFETY. IMPROVE SITUATIONAL AWARENESS



Emergency Calling



Remote User Check



Ambient Listening*



Enable/Disable



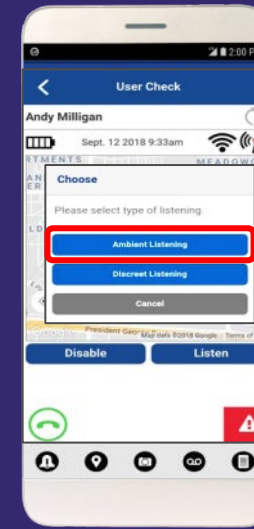
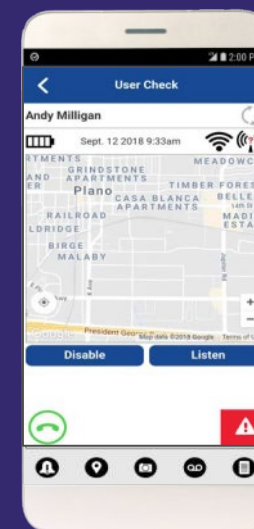
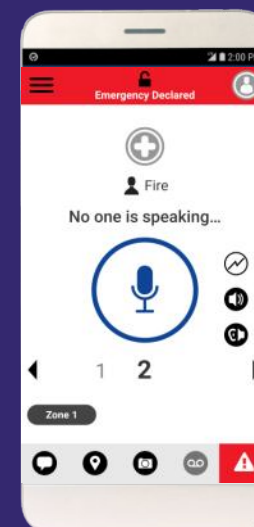
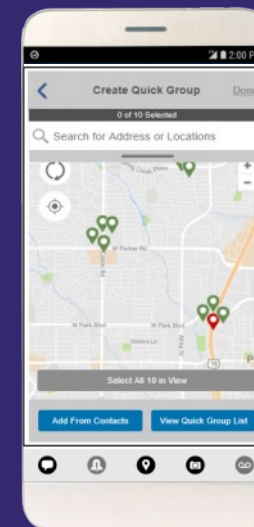
Discreet Listening*



Location based communication



LMR Interoperability



** Your agreement with us requires you to comply with applicable law as an authorized reseller or distributor of Motorola Solutions' products and services. If you intend to make these features available to your customers, you should seek guidance on any requirements or restrictions on the sale or enablement of these features in the territories within which you sell.*



■ WAVE PTX SAFEGUARD PACKAGE

Emergency Calling & Alerting

Users press a hard or soft dedicated button to initiate an emergency call with the highest priority and preemption.

Ambient Listening

Makes it possible for dispatchers or supervisors to check on the well-being of users by remotely opening the device's microphone.

Discreet Listening

Monitors all PTT communications between targeted user and other PTT callers.

LMR Interoperability

Connect WAVE PTX and two-way radio systems for unified communications.

Remote User Check

Allows supervisors or dispatchers to monitor the health of a user's device, including battery level, signal strength, and location.

User Enable/Disable

Supervisors can remotely enable or disable the PTT function on specific devices.

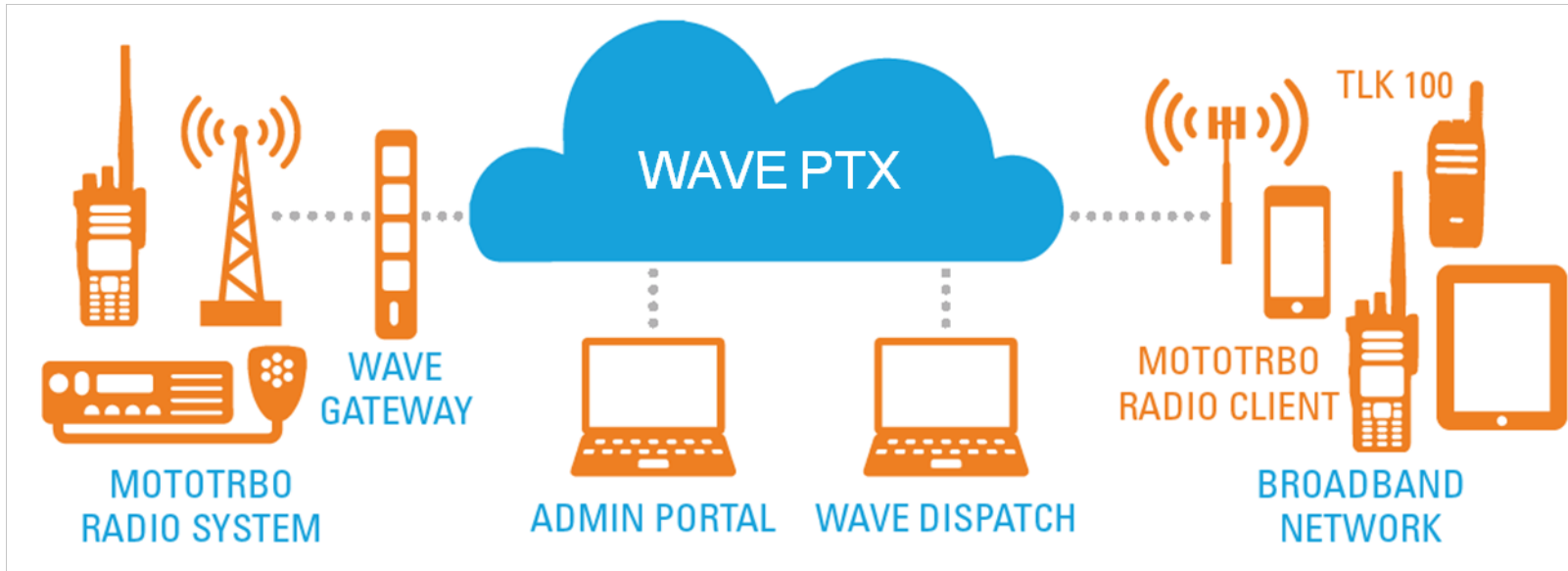
Location-Based Temporary Groups (Dispatcher-only)

Adds/removes members from a talkgroup as they enter or leave a defined geographic area.



CONNECTING MOTOTRBO AND WAVE PTX

ADVANCED WIRELINE INTEGRATION



- Group calls & private calls
- Alias / caller ID
- Single gateway, multiple concurrent conversations
- Systems supported
 - MOTOTRBO Capacity Max
 - MOTOTRBO Capacity Plus

Upgrade your WAVE PTX subscriptions and communicate with existing radio systems. Then you can connect your MOTOTRBO system to either WAVE PTX smartphone users or our WAVE PTX wireless service.

- Stay connected when outside your MOTOTRBO coverage areas
- Bring non-radio users into the conversation
- Leverage the equipment you already own
- Talkgroup/user IDs shared



WAVE PTX RADIO GATEWAY

ONE GATEWAY. MULTIPLE CONVERSATIONS

- WAVE PTX Radio Gateway (WRG) software preloaded
- Multiple concurrent voice paths
- Ships fully loaded and ready to connect
- Remote firmware updates





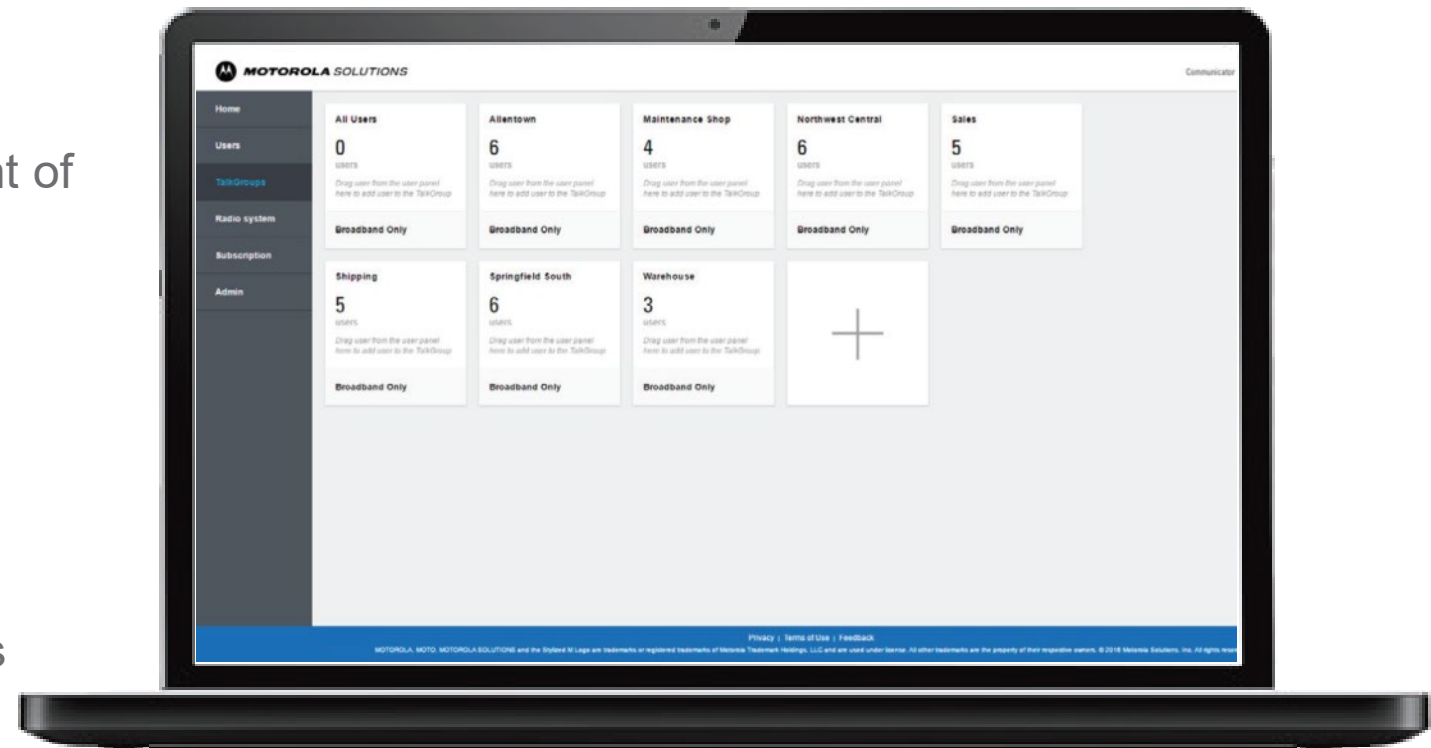
WAVE PTX ADMIN PORTAL

**Cloud-based, centralised account
management**

WAVE PTX PTT ADMINISTRATION PORTAL

CENTRALISED ACCOUNT MANAGEMENT

- Administration web portal
 - Web-based, centralized management of contacts and groups
 - Access from any internet connection
 - Setup & manage account
 - Add & remove users
 - Manage talkgroups
 - Drag-and-drop users onto talkgroups







PREDICTABLE COSTS


You control your costs with a low per-user subscription fee and no long-term commitments


SUBSCRIPTION PLANS





WAVE PTX Mobile App
 Your device. Your network.


PTT from any 3G/4G phone ¹ or Wi-Fi network
Group & Private Calls
Location Reporting
Mapping
Multimedia Messaging
SafeGuard Package (option)
Video Streaming (Option)
12 or 24 month subscriptions
<i>Includes technical support for WAVE PTX application</i>




WAVE PTX Dispatch
 Your device. Your network.

PTT from any LAN
Group & Private Calls
Location Tracking and History
Mapping
Multimedia Messaging
Supervisory Override
SafeGuard Package (option)
Video Streaming (Option)
12 or 24 month subscriptions
<i>Includes technical support for WAVE PTX application</i>



WAVE PTX Radio
 Our device. Our service.

Unlimited Europe-wide PTT ²
Group & Private Calls
Location Reporting
Remote Device Management
SafeGuard Package (option)
12 or 24 month subscriptions
<i>Includes software updates, device management & technical support for WAVE PTX application</i>

1. Subscription includes cost of WAVE PTX calls but does not include any other network fees
2. Coverage will vary





ORDER WORKFLOW

ROLES &
RESPONSIBILITIES

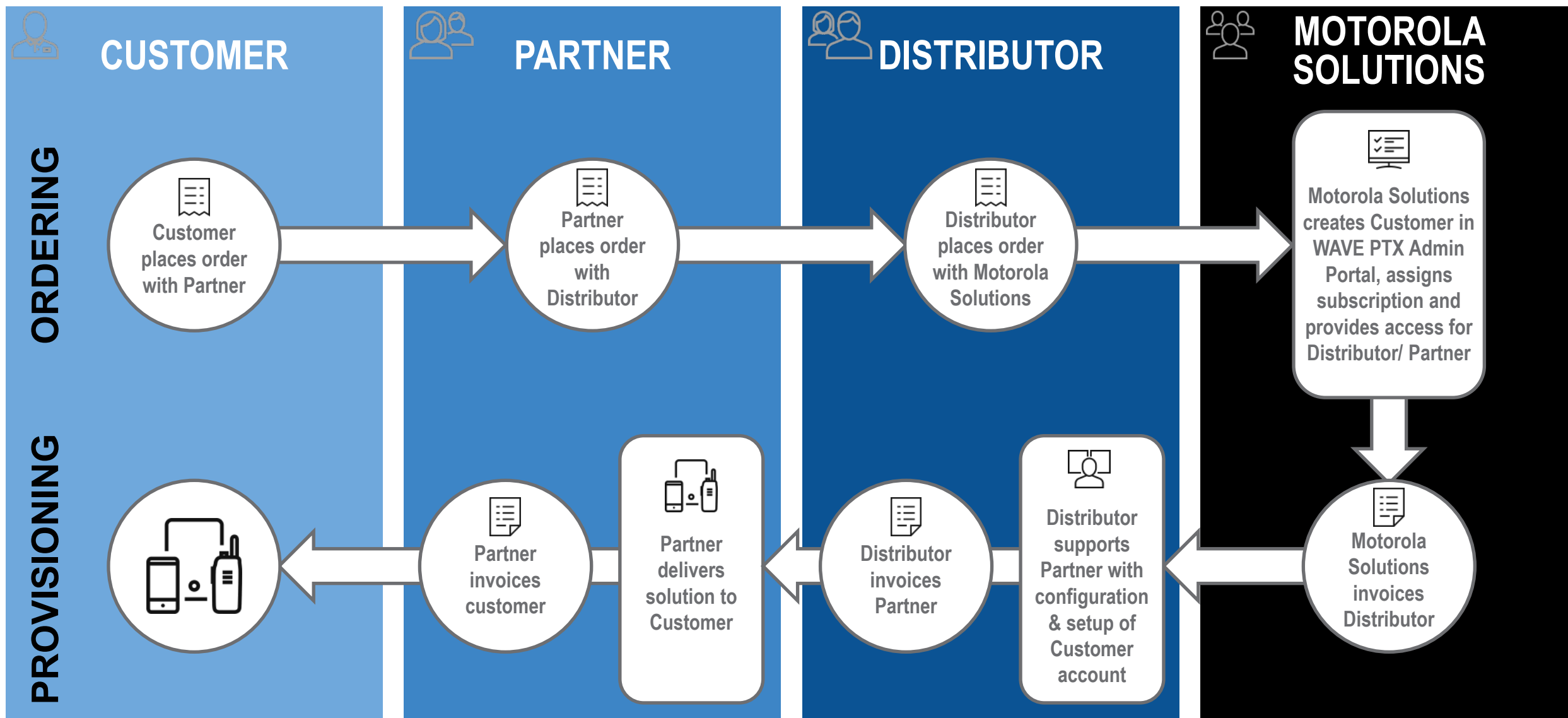


The background image shows two men in blue work uniforms. The man on the left is holding a small handheld electronic device and looking down at it. The man on the right is looking at the device as well. They are standing in front of a large piece of white machinery, possibly a generator or engine, which has the number '43 1' in red on its side. The scene appears to be an industrial or construction site.

ORDER WORKFLOW AND ROLES AND RESPONSIBILITIES

Getting Ready to Sell WAVE PTX

WAVE PTX ORDER WORKFLOW- EASY TO ORDER



ROLES & RESPONSIBILITIES

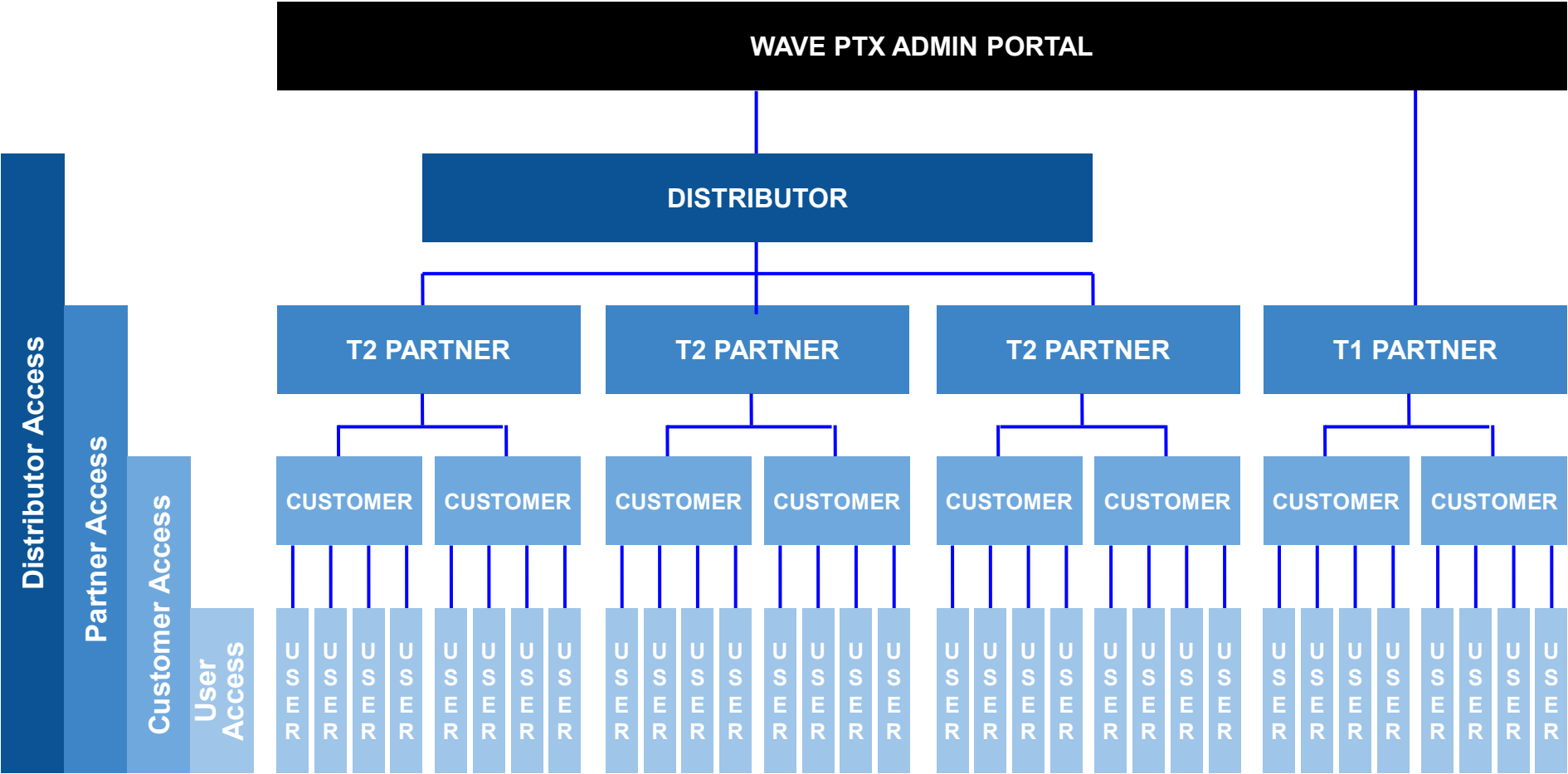
WAVE PTX ADMIN PORTAL HIERARCHY

DISTRIBUTOR - has visibility of all their respective Partners, Customers and Users (and specific configuration information) associated with their account

PARTNER - has visibility of all their Customers and Users (and specific configuration information) associated with their account

CUSTOMER - has visibility of all their Users and specific configuration information associated with their account

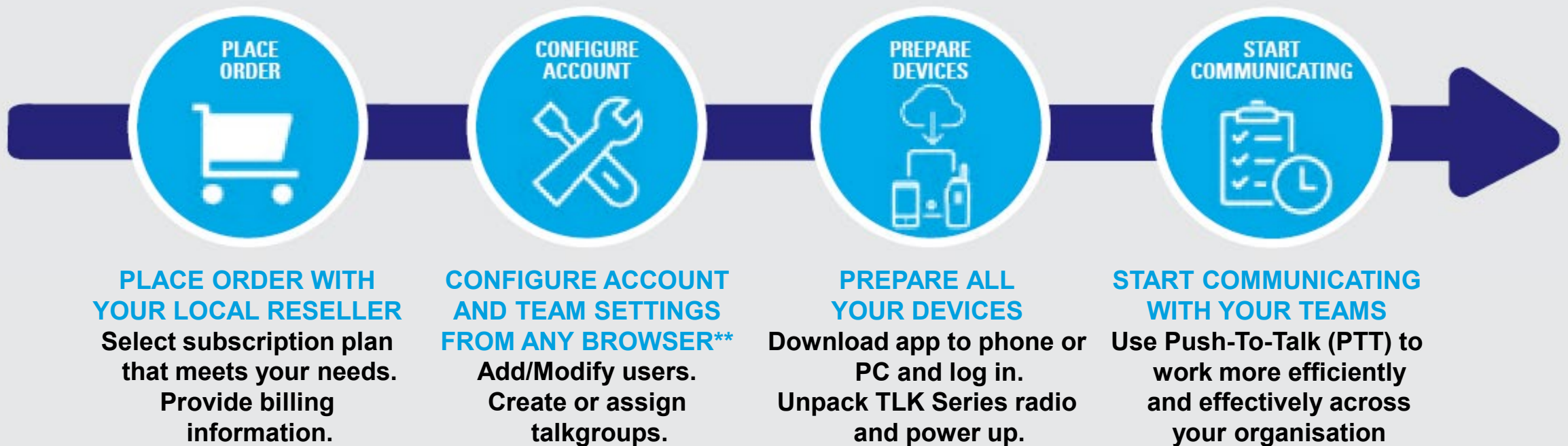
USER - has visibility of their User details (name & password)



EASY SETUP WITH NO INFRASTRUCTURE TO INSTALL

THE PATH TO WAVE PTX PUSH-TO-TALK

PLACE YOUR ORDER, GET YOUR RADIO OR APP AND START TALKING





WHERE TO FIND MORE INFORMATION





MORE INFORMATION

Information resources available

WAVE PTX - AVAILABLE RESOURCES

WAVE PTX Knowledge Base

support.waveoncloud.com

User friendly, searchable resource of technical information about the total WAVE PTX offering, including troubleshooting guides.

Latest user guides for the WAVE PTX Mobile App and WAVE PTX Dispatch can also be found in the Knowledge Base.

Learning Management System

learning.motorolasolutions.com

The following training bundle is available on the Learning Management System which we recommend for your staff (both sales and technical)

- PSA0004E WAVE PTX Application Overview
- PSA1052E WAVE PTX Sales Enablement
- PSA2002E WAVE PTX Administrator
- PSA1051E WAVE PTX LMR Interoperability to MOTOTRBO
- PSA0018 WAVE PTX Two-Way Radio Overview
- PSA0017E WAVE PTX Dispatch Overview

Demo Accounts

partners.motorolasolutions.com

All WAVE PTX components will be available to purchase through the Demo Program which will be visible on Partner Central.

This means that you will be able to create your own demonstration system to show to your customers and familiarise yourself with the WAVE PTX Admin Portal and all WAVE PTX components





SEORA
SEORA

SPÉCIALISTE EUROPÉEN DE LA COMMUNICATION RADIO
POUR ÉVÉNEMENTS & MANIFESTATIONS

SECRA.CH

SEORA

SUMMARY





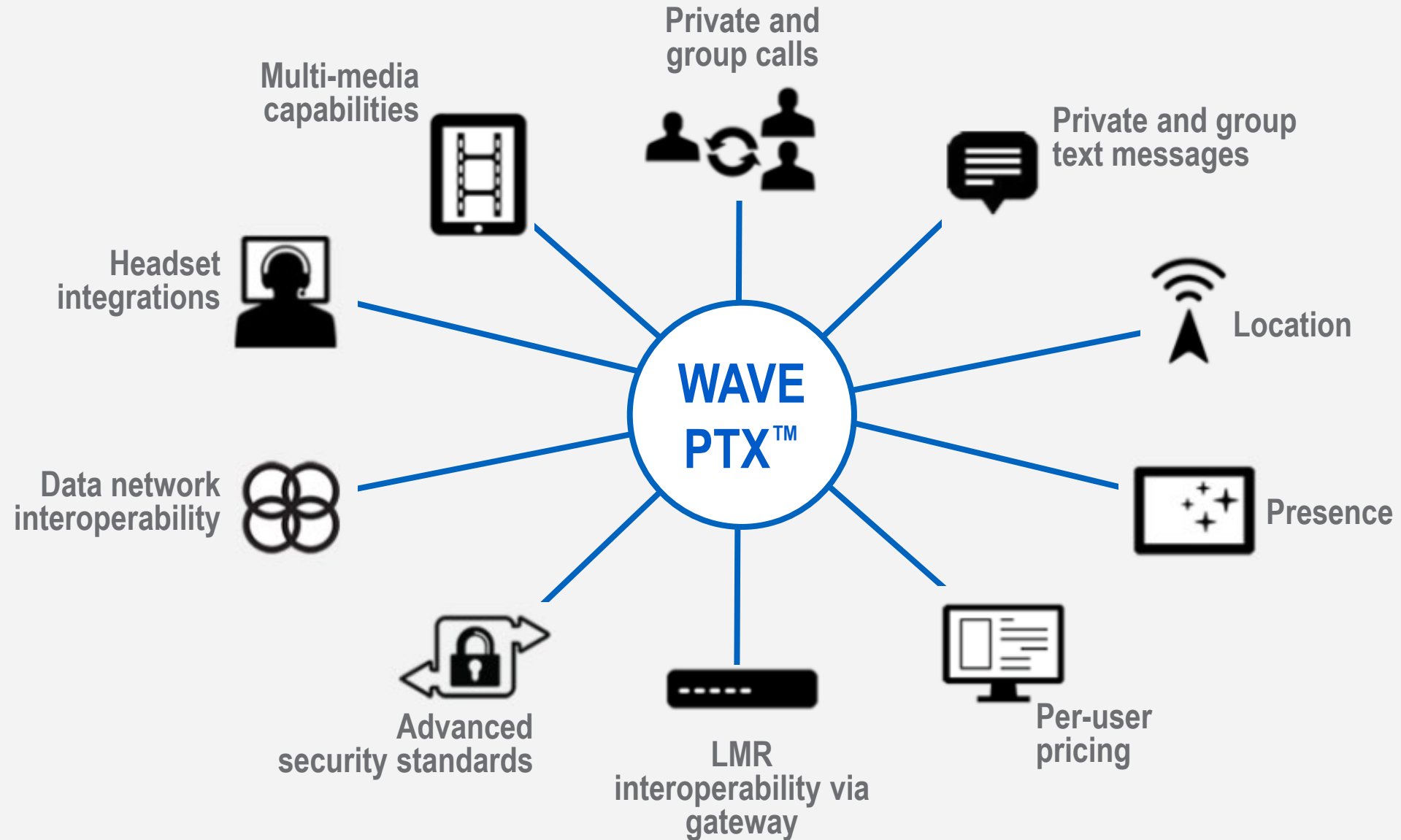
WAVE PTX NETWORK-INDEPENDENT BROADBAND PUSH-TO-TALK

UNIFIED COMMUNICATIONS, PREDICTABLE COSTS

- Simple, per user fee with no long-term commitments
- Add or remove users as your business needs change
- Leverage the phones and equipment you already own
 - Phones, laptops, PCs, Wi-Fi network
- Cloud-based deployment



WAVE PTX KEY FEATURES



WHY WAVE PTX?

COMPETITIVE STRENGTHS

WAVE PTX

- Complete solution – smartphone app, PC dispatch, TLK Series devices and MOTOTRBO client
- Part of the largest 3GPP MC-PTT standards-based ecosystem in the world
- Secure comms utilising AES256 encryption
- Location tracking for improved worker efficiency and safety
- Real time presence enhances user experience
- Live video streaming for increased situational awareness
- SafeGuard advanced feature set
- Wireline interoperability with MOTOTRBO gives advanced connectivity across BB-PTT & LMR systems
- Predictable costs with balanced CapEx/OpEx model (hardware purchase and/or service subscription)

TLK 100 / TLK 150

- Support 3G and 4G for the broadest reach over the widest area
- Built-in Wi-Fi support (802.11, a, b, g, n, 2.4/5.0GHz) supplements coverage
- Multi-network operation with intelligent switching for improved coverage and reliability
- Purpose-built devices with deep hooks into the operating system for superior network handover
- TLK 100 slim, rugged form factor is lightest device in its class



SECRA

SPÉCIALISTE EUROPÉEN DE LA COMMUNICATION RADIO
POUR ÉVÉNEMENTS & MANIFESTATIONS

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Q&A

TAKE PTT FURTHER WITH WAVE PTX



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