MOTOROLA SOLUTIONS Status and updates









Nicolai Peter Christensen Sr. Channel Account Manager

James Kenyon EMEA PCR Strategy Manager









Dan Faulkner Sales Director Expansion Tech.

Kenneth Broberg Product Sales Specialist

Nick French WAVE PTX Sales Specialist











MONDAY 05 JUNE

Introduction to Motorola Solutions	Nicolai Peter Christensen
Status of the Current Supply Situation	
Introduction to MOTOTRBO R2	
Introduction to MOTOTRBO R7	
MOTOTRBO R-series - Why?	James Kenyon
Future Outlook of the Radio Industry	
Cybersecurity	

WE HELP PEOPLE BE THEIR BEST IN THE MOMENTS THAT MATTER

We provide the technologies that connect those in need to those who can help. To find efficiencies, prevent crises, save lives.



INTEGRATED TECHNOLOGY ECOSYSTEM

Flexible technology platforms to create a safer world.



MANAGED & SUPPORT SERVICES Motorola Solutions is a global leader in public safety and enterprise security.

We have created the most integrated **technology ecosystem** to help make communities safer and businesses stay productive and secure.



WHAT WE DO

The mission-critical ecosystem for public safety and enterprise security.



OUR ECOSYSTEM IS PROVEN IN SUPPORTING OUR CUSTOMERS EVERY DAY

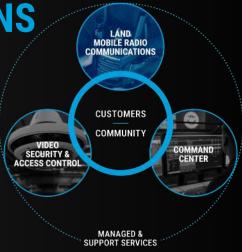


LAND MOBILE RADIO COMMUNICATIONS

Mission-Critical Voice + Multimedia Collaboration

Protect your push-to-X lifeline. So you're always connected.

We build infrastructure and devices that enable mission-critical communications, so the lifeline is always in reach. By reinforcing radio with broadband capabilities, we enable the instant voice and multimedia collaborations that keep our users safe and aware when it matters most.



Global leader in every two-way radio standard and LTE solution.

- APC0 P25
- TETRA
- Digital Mobile Radio
- Professional Radio Standards
- Public and Private LTE Networks
- Purpose-Built Broadband Devices
- Broadband Push-to-X
- LMR/LTE Interoperability

COMMAND CENTER

Unified Data + Integrated Workflows

Bring clarity to decisions and simplify workflows from emergency call to case closure.

We build software for public safety environments and enable the collaborations where every second matters. By allowing information to flow seamlessly from call to case closure, we reduce the strain on critical personnel and restore focus on the communities our customers serve.



End-to-end software suite designed for the public safety workflow.

- Community Engagement
- Emergency Call Management
- Voice and Computer Aided Dispatch.
- Real-Time Intelligence Operations
- Field Response & Reporting.
- Records and Evidence Management.
- Analysis and Investigations
- Jail and Inmate Management

VIDEO SECURITY & ACCESS CONTROL

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Advanced Capture, Analysis + Management

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Learn what's happening. Act with certainty. We combine Al-powered security cameras, video management software and

(2)

We combine AI-powered security cameras, video management software and infrastructure, and access control to advance a security system from passive observation to active response. Our unified video security and access control solutions provide real-time awareness for rapid authentication. We help instantly recognize what's important to make critical decisions in the moments that matter.



Trusted video and analytics solutions for public safety and enterprise security operations.

- Video Cameras
- Video Recorders and Encoders
- Network Video Management
- Access Control Solutions
- Al-enabled Video Analytics
- Body-worn Cameras
- In-car Video Systems
- License Plate Recognition

OUR SCALE AROUND THE WORLD

100K customers in more than 100 countries around the world.



NORTH AMERICA

30%

INTERNATIONAL

ANNUAL REVENUE 2022

PRODUCTS & SYSTEMS \$5.7B **INTEGRATION** SOFTWARE & SERVICES \$3.4B

\$9.1B



\$734M R&D ANNUALLY 6400 PATENTS AWARDED 1000 PATENTS PENDING

WE INNOVATE BY OBSESSIVELY LEARNING HOW OUR CUSTOMERS OPERATE

Photo: APX NEXT Customer Feedback Session Numbers as of December 2021



PERFECT STORM STILL EXISTS ...











MOTOTRBO R2 and R7 **R-series**



R2

KEY FEATURES



SLEEK & TOUGH

-BUILT TO OUTPERFORM -SLIM & LIGHTWEIGHT -FULL-SHIFT LIFE

LOUD AND CLEAR

- SHARP, CLEAR AUDIO - BE HEARD ABOVE ALL ELSE - CUSTOMISABLE AUDIO EXPERIENCE

WORK UNINTERRUPTED

-CUSTOMIZABLE USER EXPERIENCE -IMPROVED BASICS -SEAMLESS INTEGRATION MOTOROLA

RZ



MOTOTRBO R2

Our Newest Entry Tier Radio

R2



ACCESSORY COMPATIBILITY FOR EASIER ADOPTION

The MOTOTRBO R2 is compatible with a variety of DP1400 audio and charger accessories and DP4000e Series antennas to make adoption easier for existing MOTOTRBO users.

CARR

ALL-WEATHER CONFIDENCE

TESTED TO MEET MILITARY STANDARDS BUILT TO SURVIVE THE WORKDAY'S BUMPS AND BRUISES

- Meets MIL-STD-810 requirements across 11 environmental conditions
- Endures our rigorous Accelerated Life Testing (ALT) program, which simulates up to 5 years of field use
- IP55: Protected from dust particles and low-pressure water jets at any angle
- Ruggedised form factor for impact resilience
- Glove friendly
- -20°C operation with battery



BLOCK OUT THE NOISE

MOTOTRBO R2 SHINES IN NOISY WORK ENVIRONMENTS; YOU WILL HEAR AND BE HEARD FROM ALL CORNERS OF THE WORKPLACE

- SINC+ noise suppression* uses advanced algorithms to single out and eliminate disruptive background noise.
- Communicate with clarity to stay safe near a punch press, pneumatic drill, bulldozer and more.

KEEP IT CLEAR

CUSTOMISE YOUR AUDIO TO SATISFY LISTENING PREFERENCE AND ENVIRONMENTAL CONDITIONS

- Select an audio profile to amplify low, middle or high frequencies to suit the listening environment
- Powerful speaker and low distortion ensure your message comes across loud and clear







FOOLPROOF PTT ACTIVATION

MANAGE YOUR DAY-TO-DAY WITHOUT SKIPPING A BEAT

- The contoured, large push-to-talk (PTT) button is quick to locate and activate
- For further convenience, attach the Remote Speaker Microphone (RSM) to communicate without reaching for your belt





KEY HIGHLIGHTS

GENERAL

- VHF (136-174) or UHF (400-480)
- Analogue only, or analogue/digital
 - Analogue only model can be upgraded to analogue/digital¹
- ETSI TS 102 361-1,-2,-3 / DMR Tier II
- PL / DPL / QCII / MDC1200
- 64 channels
- Up to 26.5 hours runtime²
- MIL-STD 810C/D/E/F/G/H and IP55
- Operating temperature with battery -20 °C to 60 °C

AUDIO

- Loudness up to 101 phon
- SINC+ noise suppression¹
- Automatic gain control
- Received audio levelling
- Acoustic feedback suppression
- User selectable audio profiles

SAFETY

- Lone Worker
- Remote monitor
- Transmit Interrupt

SECURITY

- Radio disable/enable
- Enhanced privacy¹
- Analogue scrambling
- Secure Enhanced Linux operating system

USABILITY

- Voice announcement
- Home channel reminder
- Pre-programmed text messaging
- 2 programmable buttons
- Voice announcement
- Dual priority scan



SYSTEMS CAPABLE

- Single-site conventional
- Extended Range Direct Mode
- Dual Capacity Direct Mode
- IP Site Connect¹
- Capacity Plus single site, 2 repeaters¹



ACCEPTOR OF CLA ACCEPT

MOTOTRBO[™] R7

Our Newest High-Tier Radio





SHARP & CLEAR AUDIO



HEAR AND BE HEARD MORE CLEARLY THAN EVER BEFORE, THE FIRST TIME

- Adaptive Dual Microphone Noise Suppression for game-changing noise cancellation
- Automatic Acoustic Feedback Suppression cancels out the feedback of other close-by radios
- Intelligent Audio monitors background noise and adjusts speaker volume automatically
- IMPRES[™] technology ensures R7 works seamlessly with your Motorola Solutions accessories

BE HEARD AUDIO SUPPRESSION IN ACTION



https://www.youtube.com/ watch?v=nFlyy6WhmMU

PREVENTING PROTECTING RESPONDING

www.manchesterfire.gov.uk



BE HEARD ABOVE ALL ELSE

MOTOROLA

Channel ·

UNPRECEDENTED LOUDNESS, SO YOUR TEAM CAN HEAR IN ANY SITUATION

- Re-engineered with a more powerful speaker
- 102 phons = 4x louder than a shouting conversation
- Programmable extra loud profile reaches up to 107 phons

DURABLE & ROBUST DESIGN

More robust overall including an **improved side connector** design that prevents the likelihood of failure thus reduces total cost of ownership in the longer run.

Corrosion proof side connector eliminates the need for a dust cover.

R

BUILT TO OUTPERFORM

TESTED TO MEET MILITARY STANDARDS. BUILT TO OUTPERFORM WHATEVER IS THROWN ITS WAY.

- MIL-STD 810 C,D,E,F,G and H
- IP68: Dust-tight, water immersion up to 2 metres for 2 hours
- Ruggedised screen for impact resilience
- Housing resists disinfectants and decontamination substances¹
- TIA4950 Intrinsically safe option for operation without the risk of ignition or fire





PROGRAM WITH EASE

MINIMISE DOWNTIME, MAXIMISE EFFICIENCY

- Program over the air
- Remote software updates
- Huge productivity savings and allowing users to continue communicating throughout the update process.
- Functionality available using Wi-Fi.

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STAY INFORMED WITH SENSOR VITALS

Prioritise safety with optional radio sensor features.

MOTOTRBO Sensors

- Man Down sensor
- Lone Worker sensor

Industry Standard (IEEE) compatible with 3rd party BLE sensor.

- Heart rate monitor
- Temperature monitor





Available on R7,R2, DP4000e series, DM4000e series, DP3000e series, DP2000e series, DP4000 Ex series

NEW ENHANCEMENTS

R7 ASSET TRACKING

Keep track of what's important quickly and easily.



MOTOROLA

Zone B

Channel 1

R7 DISPLAY WIDGETS

See at first glance battery information from the large, on-screen widget.



EMERGENCY ALERT

Can be manually pressed or activated through a fall alert.

RECORDING TRIGGER

The VB400 is triggered to start recording upon activating the emergency button, fall alert or lone worker.

VB400 Emergency Alert available on R7, DP4000e and DP3000e series.



MOTOTRBO RADIO INTEGRATION

COMING SOON

MOTOTRBO EMERGENCY ALERT

Can be manually pressed or activated through a fall alert.

RECORDING TRIGGER

The VB400 starts recording upon receiving emergency signal from radio.





SERVICE SUPPORT PROTECTING YOUR INVESTMENT

SUPPORTED WITH SERVICE PACKAGE

SYSTEM SOFTWARE RELEASES

Latest SW & Security patches available to install

TECHNICAL SUPPORT

- Dedicated Helpdesk
- Access to MSI's Global technical support

DEVICE COMPATIBILITY

· Voice and Features tested for previous three SW releases

HARDWARE REPAIR

- Qualified MSI Technicians
- · Genuine Parts with warrantied repair

SYSTEM SOFTWARE RELEASES

NO SERVICE PACKAGE OR SUPPORT

SW upgrade not possible



TECHNICAL SUPPORT

Not available



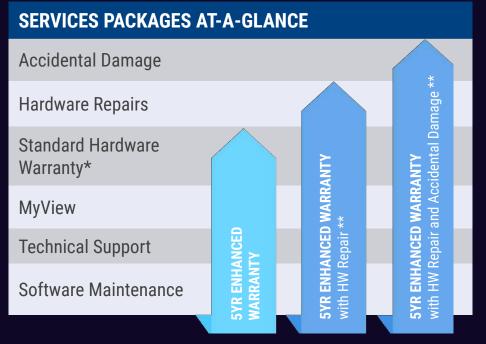
DEVICE COMPATIBILITY

• Voice and feature compatibility not tested

HARDWARE REPAIR

- Can be more expensive than a Package
- SW may need to be upgraded if necessary for repair

SERVICE SUPPORT PROTECTING YOUR INVESTMENT



* 2 Years Manufacturing Defects Only ** Optional Add Ons

Motorola Solutions Confidential - Do Not Redistribute - PartnerEmpower Member, Customer, and Prospective Customer Use Only



THIS IS YOUR MOONERNT EXPAND & EXCEL

Questions?



RADIO & EXPANSION THE FUTURE

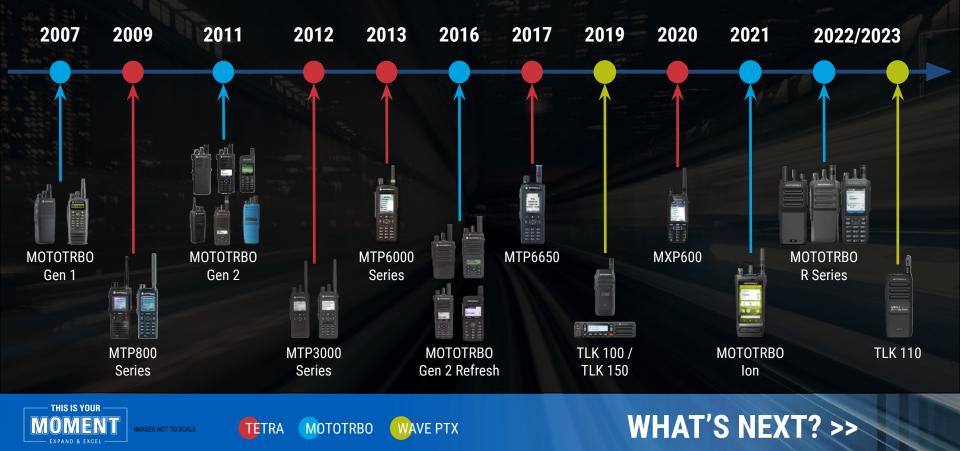
James Kenyon Portfolio Strategy



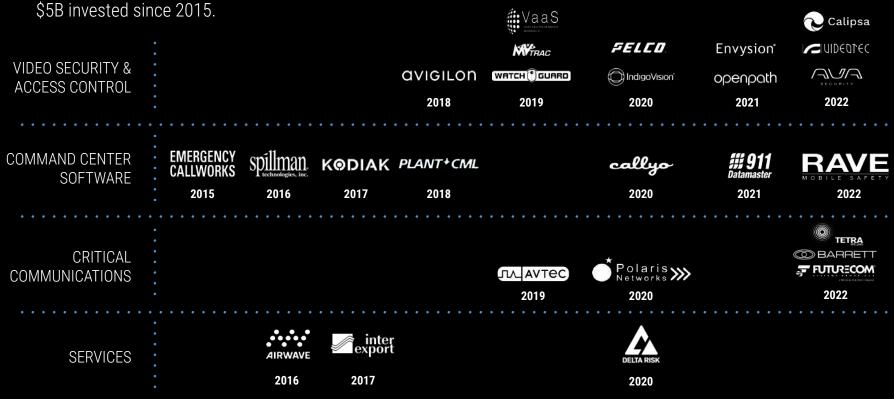
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RADIO EVOLUTION

Refreshing our radio portfolio for the future



MOTOROLA SOLUTIONS





HOW MOTOROLA IS RESPONDING TO CUSTOMERS' NEEDS







INNOVATING TO GROW OUR LAND MOBILE RADIO SOLUTION WHY 'R' SERIES?





EXAMPLES OF BREACHES IN THE MARKET

Weekly cyber-attacks have increased worldwide by 7% in Q1 2023 compared to the same period last year, with each firm facing an average of 1248 attacks per week. Info security group 2023

Global Cyber Attacks Rise by 7% in Q1 2023

Manufacturing was the most targeted sector for ransomware attacks in 2022, says IBM

Lawyers lead 'war game' drills to prepare clients for cyber attacks

Business leaders turn to law firms for advice as data loss and other IT breaches become a growing concern

Holiday Inn hotels hit by cyberattack

3 6 September 2022

Nordics move towards common cyber defence strategy

Nordic countries agree to work together to improve their cyber defences amid increasing threat

Cyber Attack Hits NHS 111 Emergency Line in UK: Telegraph

Breach affects 85% of the services provided by the hotline

Patients advised it could take longer for calls to be answered

2 minute read - February 6, 2023 1:02 AM GMT - Last Updated 3 months ago

Italy warns hackers targeting known server vulnerability

Reuters

\$4.35M

Average cost of a data breach in 2022

> Securing Energy and Utility Sectors Amid CNI Cyber Threats

The energy and utility sectors face a unique set of cybersecurity challenges at a time when threats towards critical national infrastructure (CNI) are at a heightened level because of the Ukraine-Russia conflict.



OUR CYBER SECURITY RESILLIENCE OUR APPROACH

motorolasolutions.com/cybersecurity

CYBER SECURITY COMPONENTS

NIST CYBER SECURITY FRAMEWORK

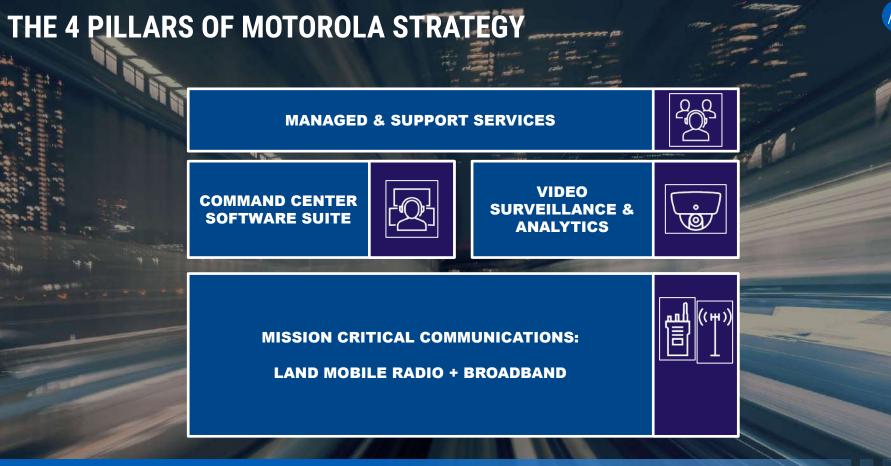
TLS-PSK AUTHENTICATION

SECURE ENHANCED OPERATING SYSTEM

DIGITAL CERTIFICATES

16-bit40-bitAES-256BLUETOTH 5.2 LEVEL 4 / Wi-Fi WPA3









THIS IS YOUR MOONERNT EXPAND & EXCEL

Questions?

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WAVE PTX TAKING PTT FURTHER

June 2023 Dan Faulkner | Expansion Technology Sales Director EMEA

MOTOROLA SOLUTIONS



WAVE PTX

LAUNCHED & AVAILABLE

- Motorola Solutions launched the **WAVE PTX** service in 2019
- Hosted in **Microsoft Azure** cloud leveraging the secure & scalable environment
- Serving the EMEA & SSA regions with 1000's deployments **throughout the region** delivered by 100's of channel resellers
- Solid growth month on month delivering **recurring revenue** via our trusted channel partners



WAVE PTX

- Network-independent broadband push-to-talk subscription service from Motorola Solutions
 - Combines speed and simplicity of push-to-talk with power of multimedia communications, all at the touch of a button
 - With Land Mobile Radio (LMR) interoperability to reach more team members over a wider area than ever before
 - Helps business and enterprise organisations work more efficiently and effectively

KEEPS TEAM MEMBERS CONNECTED ON-SITE, REGION-WIDE OR EVEN CROSS-BORDER



WAVE PTX PORTFOLIO



MOBILE APPLICATION

Turn your phone into a PTT handset and get instant communication at the touch of a button



DISPATCH APPLICATION

Login from any Internet connection and manage your mobile workforce from anywhere



LMR INTEROPERABILITY

Seamless voice communication between WAVE PTX users and those on LMR networks



DEVICES BUILT FOR PTT

Purpose-built and specialized devices provide the right fit for each role and budget



WAVE PTX DEVICE OPTIONS

FIND THE RIGHT OPTION FOR EACH NEED

- BYOD bring your own device and network
 - Turn Android or iOS smartphone or tablet into PTT device with the WAVE PTX Mobile Application
 - $\circ~$ Utilize existing networks
- Use purpose-built and specialized devices from Motorola Solutions
 - TLK 100/110/150 (Options for Embedded SIM & SIM Free)
 - $_{\odot}~$ Evolve and LEX L11
 - $_{\odot}~$ Support for specific 3rd party devices





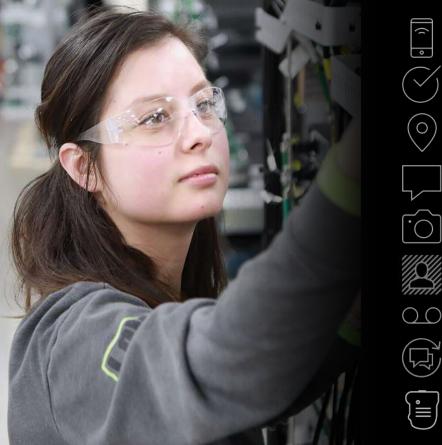
WAVE PTX MOBILE APPLICATION

NOTHING IS FASTER THAN PTT

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Group & private PTT calling

Real-time presence

Location services

Text messaging

Push videos, image, and files

Background calling

Voice message fallback

Communication history

Soft or hard PTT buttons



WAVE PTX SAFEGUARD PACKAGE

ENHANCE SAFETY. IMPROVE SITUATIONAL AWARENESS



Emergency Calling



Ambient Listening



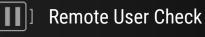
Discreet Listening



Large Talkgroups



LMR Interoperability

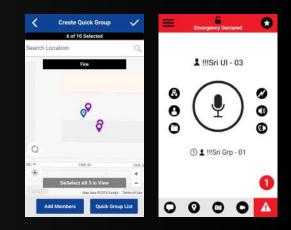


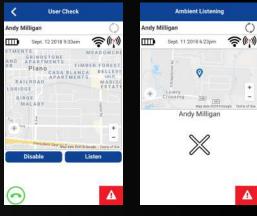
Enable/Disable



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Dynamic, Area-based Groups^{*}





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MOTOROLA SOLUTIONS BROADBAND DEVICE OPTIONS



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TLK SERIES TWO-WAY RADIOS

GET THE JOB DONE

TLK 110 and TLK 100 portables and TLK 150 mobile are:



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 with a rugged two-way portable or mobile radio.



Communicate without limits

• PTT communication available within a building, across town, nationwide or even multi-national.





TLK SERIES TWO-WAY RADIOS

CHOICE & FLEXIBILITY

Embedded SIM or SIM Free devices



EMBEDDED SIM

- EU wide, multi network roaming SIM
- Simple setup via WAVE Admin Portal
- Utilises WAVE Wireless Service Subscription



SIM FREE

- SIM card provided by customer/ partner/ distributor
- APNs pre configured into TLK device firmware
- Option to add custom APN via WAVE Admin Portal
- Allows customers to use their own SIM
- Take control of the network coverage & capacity
- Utilises WAVE SIM Free Subscription



MOTOROLA

TLK 100

2019

THE FIRST WAVE PTX DEVICE SIMPLE PTT CLEAR AUDIO COMMUNICATION WITHOUT BOUNDARIES

TLK 110

2023

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RICHER IN FEATURES SAFETY AT THE HEART RUGGED AI NOISE SUPPRESSION MOTOROLA

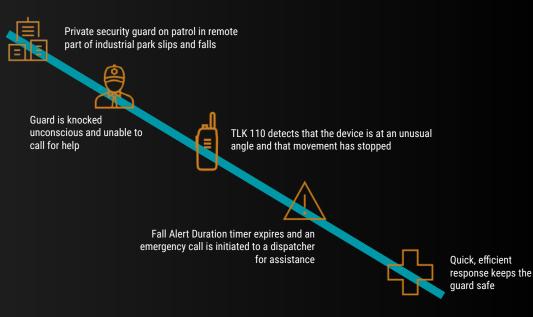
INTRODUCING TLK 110 PORTABLE



TLK 110 FALL ALERT

GET HELP TO FALLEN WORKERS

- Identifies when a worker has fallen or stopped moving
- Automatically initiates emergency call to assigned group or individual
- Configurable parameters include angle, movement, pre-alarm and alarm durations
- Provides assurance to workers in hazardous environments that help will be alerted if they fall or are otherwise injured

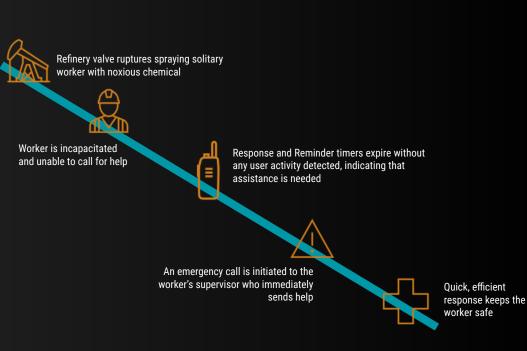




TLK 110 LONE WORKER

KEEP SOLITARY WORKERS SAFE

- Automatically starts response timer
- If no user activity detected before timer expires, initiates emergency call to right personnel for assistance
- Response timers, reminder timers and emergency contacts configurable for each user
- Solitary workers reassured help will be provided even if they are unable to request it





MOTOTRBO ION | WAVE PTX CAPABLE

BUSINESS READY - VOICE & DATA

MOTOROLA

Private Cal Manager READY

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- Multimedia capabilities
- Compatible with WAVE PTX Mobile App (full feature list)
- Option for Seamless Roaming with MOTOTRBO (voice only)
- Team PTT across different devices, networks, and locations
- Communicate with devices you already have
- Instantly connected to you team wherever they're located

VOICE COMMUNICATIONS ACROSS NETWORKS

AUTOMATICALLY SWITCH TO BROADBAND WHEN RADIO SIGNAL FADES

AUTHENTICATION, STATUS, TALKGROUPS, AND ENCRYPTION PRESERVED



WAVE PTX DISPATCH APPLICATION

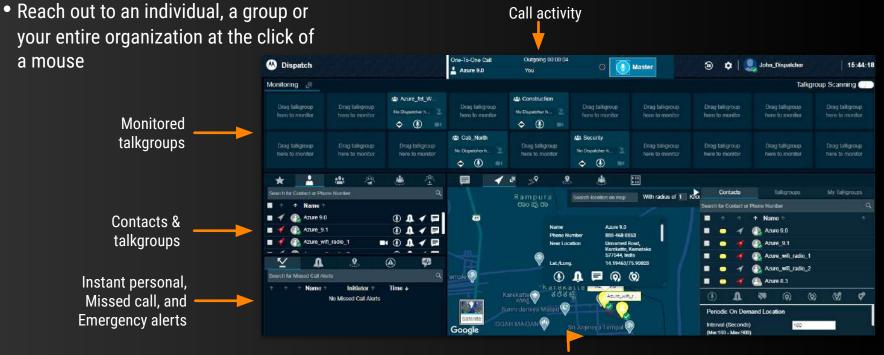
DISPATCH APPLICATION

- Web-based solution makes dispatching available from any Internet connected PC
- No software to install or update
- Supported on Chrome and Firefox browsers
- Customizable user interface allows dispatcher to undock key functions, such as History, Messages, Monitored Talkgroups, and drag them to a new screen



PTT COMMUNICATION

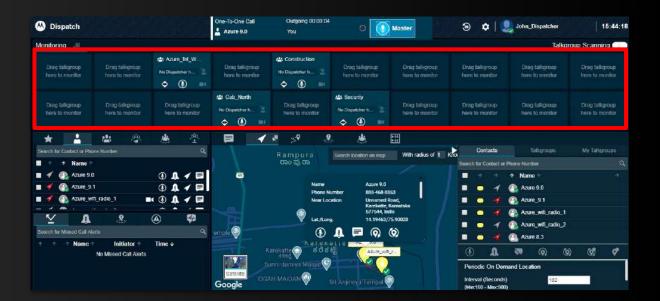
COMMUNICATE INSTANTLY





TALKGROUP MONITORING

- Monitor up to 20 talkgroups
- See activity on all monitored groups
- Select any talkgroup
- Create priority scan list





STREAMING VIDEO

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

STREAMING VIDEO OVERVIEW

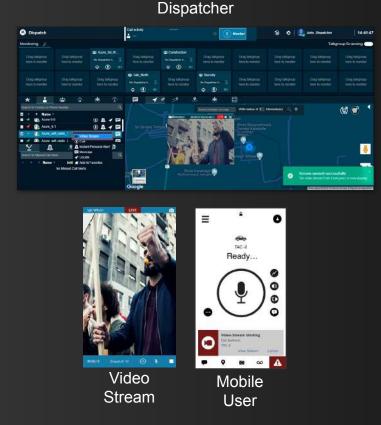




- Push Video mobile user initiated streaming
- Pull Video dispatcher initiated video
- Video streamed to individuals, defined groups, or ad hoc groups
- Simultaneously stream video and initiate/receive PTT calls



PUSH VIDEO

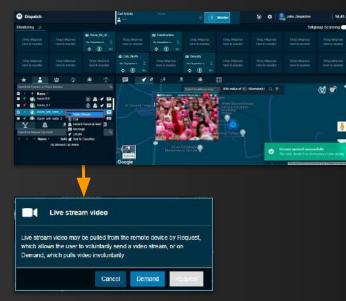


- Users and dispatchers either receive notification of incoming video stream (manual answer) or video barges with tone (auto answer)
- ID provided for user streaming video
- PTT call and video audio can be mixed or call audio takes priority
- Past video streams shown in history
- For dispatchers only,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



PULL VIDEO

Dispatcher



- 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

INTEROPERABILITY WITH LMR NETWORKS

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INTEROPERABILITY GATEWAYS

ONE GATEWAY. MULTIPLE CONVERSATIONS

RolP	Single-Tenant	Multi-Tenant
Simple, quick and supports competitor and conventional radios	More capacity, one gateway per customer	Greater scalability, may serve multiple customers

All support interoperability with TLK 100/110/150, WAVE PTX Mobile app, and WAVE PTX Dispatch



COMPLEMENT LMR WITH WAVE PTX

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

EXTEND REACH



For PTT communication outside the coverage of the radio system **EXPAND USERS**



For those who cannot or will not carry a two-way radio

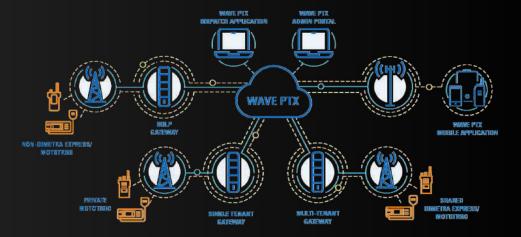
INCREASE FLEXIBILITY



With one device for PTT and business applications

LMR INTEROPERABILITY

- MOTOTRBO/DIMETRA Express
 - Multi-tenant gateway for interop with shared DIMETRA Express/ MOTOTRBO networks, including MOTOTRBO IP Site Connect
 - Single-tenant gateway for interop with private MOTOTRBO Capacity Max and Capacity Plus networks
- Radio over IP
 - Cubic Vocality gateway for Radio over IP interop with non-MOTOTRBO/ DIMETRA Express systems



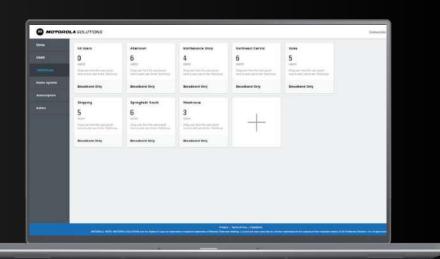


ADMINISTRATION

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WAVE PTX CUSTOMER PORTAL

- Simple & intuitive user interface
- Access via Web Browser (Chrome, IE11 or Firefox)
- **Cloud based** configuration for all users, talkgroup, features
- Quickly create
 - Talkgroup and add users
 - Quickly add/ remove features
- **Multi-tenant** hierarchy, different Employees setup with different administration rights
- Manage subscription type assigned different subscriptions to different users (Standard, Safeguard, Addons)
- Manage specialist devices (TLKs, Evolve & ION) features & firmware
- ⁷⁹ Clone feature allows for bulk configuration

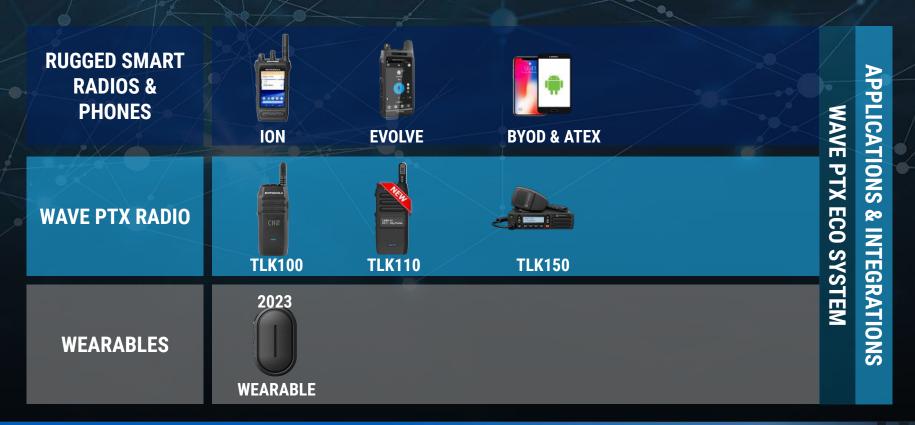






THANK YOU

MOTOROLA





TLK110 | WAVE PTX POWERED

COMMUNICATION WITHOUT LIMITS









RUGGED IP67 / MIL STD



AI NOISE SUPPRESSION SYSTEM



EMERGENCY FEATURES

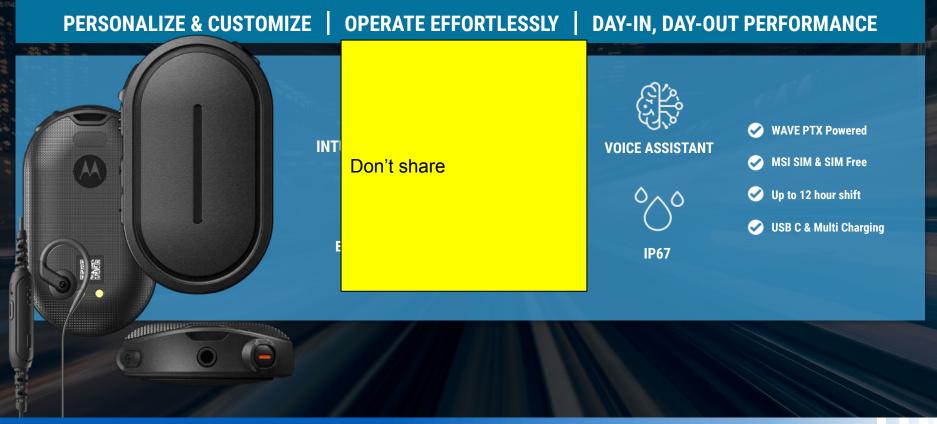
ADDRESSING COMPETITIVE GAP

- Thin and Lightweight Design
- 1 Pin Accessory Interface
- Extra Loud Audio Accessories
- SB C & Multi Unit Charger Pocket
- Antimicrobial Housing
- ✓ WAVE PTX Interop Gateway



1 City Parks

WAVE PTX POWERED | WEARABLE





MOTOROLA SOLUTIONS CONFIDENTIAL

MOTOROLA SOLUTIONS Safety Reimagined







ORCHESTRATE

AUTOMATE WORKFLOWS. MANAGE OPERATIONS. DELIVER AN INTEGRATED TECHNOLOGY ECOSYSTEM.



SAFETY REIMAGINED AN INTEGRATED TECHNOLOGY ECOSYSTEM

Instant voice communications to reliably connect teams across workflows and zones

Video analytics technologies to

à@

quickly identify and track points of interest across widespread areas





Advanced software and security to centralize command everyday and during emergencies



Support services that are always there maintain systems for today and into the future

Technology unified by <u>Orchestrate</u> built to empower you to address the unique challenges of your operation.





MAXIMIZING INCIDENT RESPONSE

COMPLEX WORKFLOWS, SIMPLIFIED.



ORCHESTRATE HELPS BY...

Automatically monitoring remote areas, maximizing resources

Securely harvesting operational data 24/7

Leveraging and evaluating real-time data

Providing actionable alerts based on trigger type

Setting up rule-based workflows

> Initiating triggerconditional logic

Accelerated incident response

Automatically logging of incident information





ORCHESTRATE BENEFITS

SEAMLESS INTEGRATION TO THE ENTIRE SAFETY REIMAGINED ECOSYSTEM

INTUITIVE

o+0

INTEGRATED

 \lor

INTELLIGENT

Simple workflow design

Access from anywhere, anytime

Minimal training required

Expedite detection & response Create custom reusable workflows

Full visibility across technologies

End-to-end automated workflows Streamlined processes

Advanced video analytics triggers

EASY TO USE

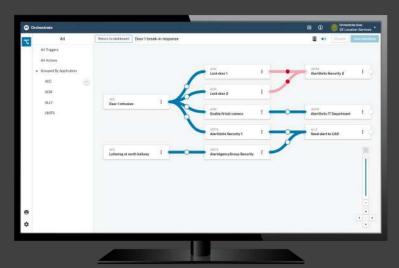
ACCELERATE OPERATIONS

AUTOMATE TO SCALE



ORCHESTRATE - HOW IT WORKS

THE ECOSYSTEM BEGINS WORKING EVEN BEFORE AN INCIDENT STARTS



Easily define and create connections between the products in your ecosystem

1. Define the security triggers and actions that make up your desired automated workflows

Triggers = events originating from sensors, software, devices Actions = responses to the triggers such as communication to radio or smartphone users or talkgroups as well as incident management software

2. Drag triggers and actions to the workspace and connect them to create a workflow

3. Zoom, pan, scroll, group related triggers and actions for easy viewing and management

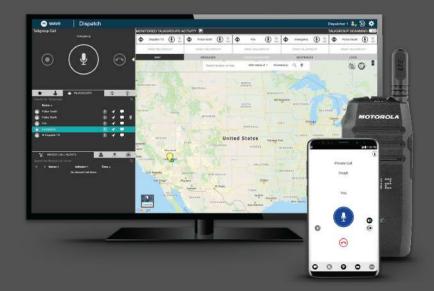
Orchestrate has you prepared for whatever comes next

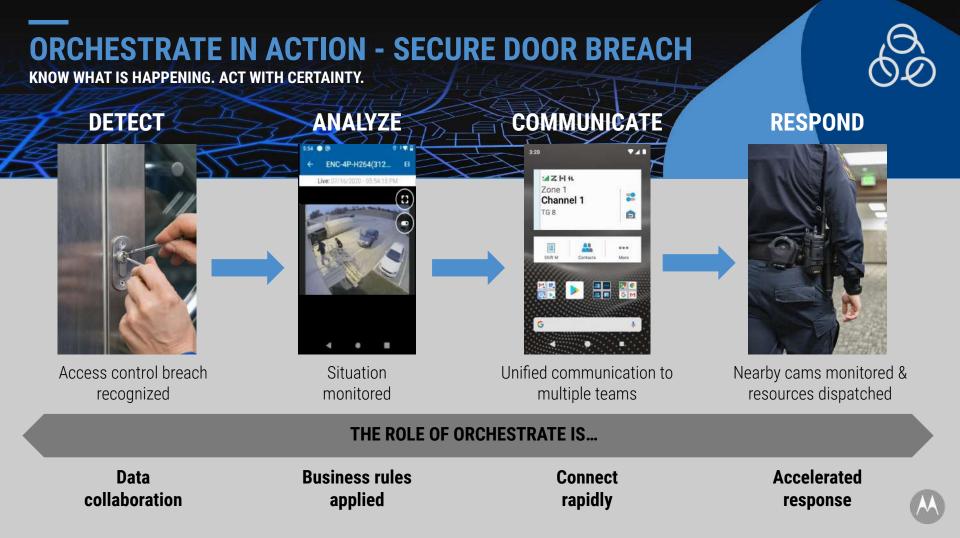


MAXIMIZE EVENT RESPONSE WITH WAVE PTX

AUTOMATICALLY RECEIVE NOTIFICATIONS ON THE DEVICE OF YOUR CHOICE

- Rule-based workflows trigger automatic notification of events
- Receive text message notification on iOS or Android smartphones over LTE or WiFi
- Get right information to right people at right time, independent of network or location
- Reduce response times and enhance situational awareness





OTOBOLA SOLUTION

ORCHESTRATE CUSTOMER PROFILE

If you...

- Currently utilizes LMR and / or Video Security and desires to have their technology communicate with one another
- Has the need to notify multiple radio talk groups to ensure communications across the enterprise
- Recognizes the efficiency, flexibility and security provided by cloud-based applications
- Is aware of the importance of security operations and may or may not have a SOC



ORCHESTRATE FAO

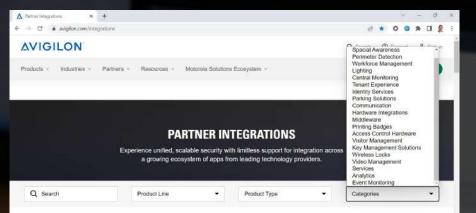


Avigilon has a rich Partner community, and Orchestrate interfaces to Avigilon and... *Avigilon Radio Alert can be your "less complex" and "easy" start

ORCHESTRATE CUSTOMER PROFILE

What if You like the idea, but...

- do not match statements from previous page?
- is using some other equipment already?
- want to start "easy" and upgrade later*?







ORCHESTRATE TECHNOLOGY ECOSYSTEM

TRANSFORM YOUR PROCESSES WITH BEST-IN-CLASS WORKFLOW AUTOMATION





Orchestrate Components

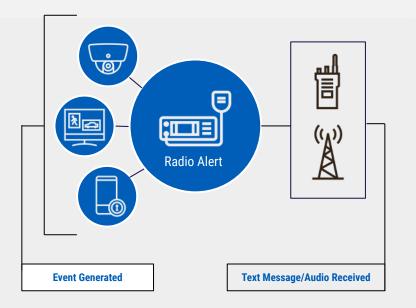
- Avigilon Video System
- Ally Incident Response
 Software
- Edge Node
- MOTOTRBO Infrastructure
- MOTOTRBO & WAVE PTX
 Devices
- Vigilant Hardware and Software

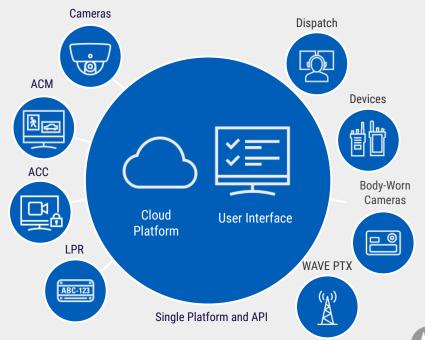
ORCHESTRATE TECHNOLOGY ECOSYSTEM

TRANSFORM YOUR PROCESSES WITH BEST-IN-CLASS WORKFLOW AUTOMATION



"ONE" USE CASE





MANY USE CASES

ORCHESTRATE TECHNOLOGY ECOSYSTEM

TRANSFORM YOUR PROCESSES WITH BEST-IN-CLASS WORKFLOW AUTOMATION





Orchestrate Components

- Avigilon Video System
- Ally Incident Response
 Software
- Edge Node
- MOTOTRBO Infrastructure
- MOTOTRBO & WAVE PTX
 Devices
- Vigilant Hardware and Software



THIS IS YOUR MOONERNT EXPAND & EXCEL

Questions?

MOTOROLA SOLUTIONS Body-Worn Video



THE VB400 BODY-WORN CAMERA



VB400 BODY-WORN CAMERA TAKE CONTROL OF THE SITUATION





INTUITIVE OPERATION IMMEDIATE RESULTS $\left[\mathscr{S} \right]$

SEE THE BIGGER PICTURE



MAINTAIN EVIDENTIAL INTEGRITY



ALWAYS READY TO RECORD

TEMPERATURE RESISTANT

Operating temperature from -20°C to +50°C IP67 ingress rating

SHIFT-LONG BATTERY LIFE

12 hours of continuous recording

SECURE MOUNTING OPTIONS

Klick Fast Quick Release Close Fit Alligator Clip

RUGGED EXTERIOR MIL STD 810G certification



INTUITIVE OPERATION IMMEDIATE RESULTS

CONFIGURABLE RECORDING

5 software-configurable buttons LEDs/beeps/haptic feedback Power-conserving behaviour

PRE- & POST-RECORDING 2 minutes buffer time

HIGH-QUALITY VIDEO

1080p & 30fps recording 120° horizontal lens 0.2 lux low-light performance

IMMEDIATE FOOTAGE OFFLOAD

No user intervention required





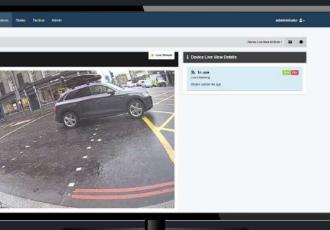
SEE THE FULL PICTURE

RADIO INTEGRATION

PEER-ASSISTED RECORDING

VB SMARTCONTROL APP

REAL-TIME VIDEO STREAMING





MOTOTRBO RADIO INTEGRATION

COMING SOON

MOTOTRBO EMERGENCY ALERT

Can be manually pressed or activated through a fall alert.

RECORDING TRIGGER

The VB400 starts recording upon receiving emergency signal from radio.





PEER-ASSISTED RECORDING



RECORDING TRIGGER

When configured, an activated camera will trigger an unactivated camera to start recording when it comes within an agency-defined proximity radius.



VB SMARTCONTROL APP

- - Securely watch and tag footage immediately
 - Available for iOS and Android
 - Download from Google Play or the App Store





REAL-TIME STREAMING

Stream video from Wi-Fi connected VB400s to VideoManager or connect to almost any video management system (VMS) to view alongside your fixed video cameras.

- Avigilon Control Center
- Milestone XProtect
- Genetec Security Center



MAINTAIN EVIDENTIAL INTEGRITY

Your VB400 automatically encrypts and secures the footage it records so only authorised users can access it, via our VideoManager software, for processing and review purposes.

SEALED UNIT DESIGN

END-TO-END ENCRYPTION SYSTEM-SPECIFIC DEVICE KEYS FOOTAGE VERIFICATION



A COMPLETE SOLUTION

Build a comprehensive body-worn camera programme that minimises complexity for both officers in the field and your administrators managing the system and evidence.

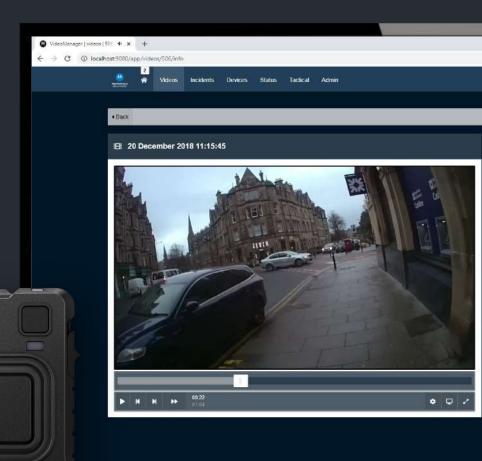
CAPTURE High-quality evidential video

PREPARE

With redactions, annotations, transcription and tagging

SHARE

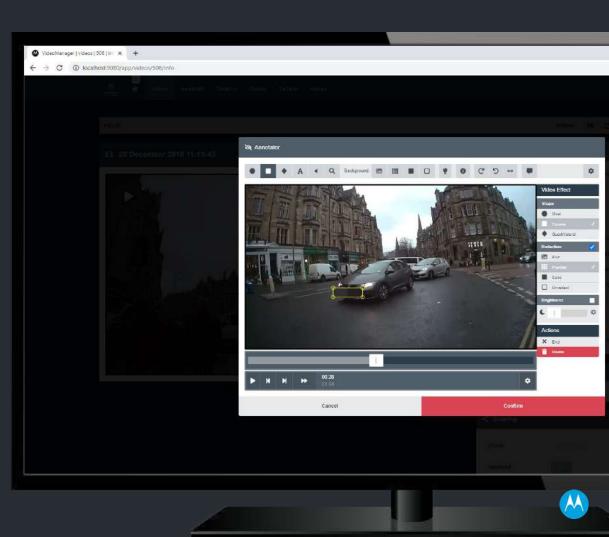
With internal and external partners securely



MAXIMISE THE VALUE OF VIDEO

From ingest and organisation to sharing and deletion, VideoManager provides everything you need in one user interface to prepare content.

- Advanced Search Options
- Incident Creation & Bulk Add
- Redaction Editor Suite
- Time-Sensitive Sharing
- Media Import Tool



KEEP DATA SAFE & COMPLIANT

Cutting-edge security restricts who can access your system and what they can do on it, while also protecting your media.

- Policy-Defined Retention
- End-To-End Encryption
- Two-Factor Authentication
- Media Viewing Justification
- Export Titles & Watermarks
- Granular Audit Logging

anager admin p	policies X +									_	
ser see and the	ost:9080/app/adm	nin/policies/d	leletion-polic	Ŷ							
	······································	Videos	Incidents	Devices	Status	Tactical	Admin				
	and the second s										
					1.18	2					
	¢ Administr	ration			4	C Deletio	n Policy	1			
	🔹 People					Footage deletion policy					
	B Devices					Deletion policies are used to control the way in which footage may or may not be automatically deleted from the system.					
	🗢 Connectivity				>			Automatical	ly delete old footage	OIF.	
	≯ Policess					If a user deletes a video, the system can prevent it being deleted for a period of time in case the video was deleted in error.					
	User Interface				>				Keep tootage for	7	days after deletion is requested
	E Firmware >					Footage which is part of an incident is never deleted. When an incident is deleted or footage is removed from the incident, the of days, so that the incident can be reinstated, or the footage can be used in another incident.					
	a System				>	a days, so th	at the inclu	ient can de reinsta	Protect footage for	e can be use 7	days after it is removed from an incident
	ब्रीट Legal				2				Protect tootage for	<u>_</u> C	cays arter it is removed from an incident
						orced fo	otage de	eletion			
							1000200000		leted a fixed time	after recordi	ing, even if it would normally be protected by incident
									Enable forced delete	DIT	
										_	
					8	Export de	letion po	olicy			
								Automatica	ly delete old exports	Dit	
									Delete exports after	14	days
					1	ncidents	deletion	policy			
								Automatically	defete old incidents	Ott	
						Dashboar	d				
							S	Show videos scheduled	to be deleted within	7	days

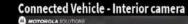
THANK YOU!

Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

Drone camera

Adrian's body worn camera

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Connected Vehicle - Exterior camera













Share Your Thoughts!

Click Present with Slido or install our <u>Chrome extension</u> to activate this poll while presenting.

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