



# MISSION-CRITICAL COMMUNICATIONS

**MISSION-CRITICAL  
TECHNOLOGIES AFRICA 2018**



Every day, governments, business and individuals rely on effortless and reliable communications. They call it their lifeline. In the extreme moments and the day-to-day, communication plays an increasingly critical role in protecting and connecting the world.

From mission-critical services and command centre software through to secure and reliable land mobile radio solutions, our technology can help you to advance your communications lifeline so businesses run smoothly and cities stay safe.

Visit us on stand A84 and learn from our experts about our range of solutions that can help address your communication challenges.



### CHALLENGE - HARNESS THE COMPLEMENTARY BENEFITS OF TETRA AND LTE NETWORKS

Forward-thinking public safety network providers are planning for an extended period of TETRA coexistence with LTE. The value of this strategy is clear. LTE promises access to cutting-edge, transformative applications that will enhance frontline personnel safety, improve situational awareness and boost productivity. TETRA remains the best technology for Mission-Critical voice services with over 70% of public safety survey<sup>1</sup> respondents viewing digital land mobile radio systems as providing additive value, alongside LTE investments.



### CHALLENGE - MANAGE DIVERSE DATA FROM AN EVER-INCREASING NUMBER OF SOURCES

The complexity of crime is increasing and the need for efficient information sharing within and between different agencies has never been greater. With the increasing adoption of body-worn video, and the growing number of information sources supporting public safety, we are fast approaching a tipping point. This is where we increase the risk of not knowing what we know - that critical piece of information that could have changed the outcome of an incident.

#### OUR SOLUTIONS:

##### MISSION-CRITICAL TETRA SYSTEM

**DIMETRA X Core** is a new fully scalable TETRA system. With a software defined core, cyber security and smart interfaces, it is designed to maximise your TETRA network investments today while laying the foundation for additional capabilities in the future.

##### TETRA DEVICES

A selection from our **TETRA devices** portfolio, including the new **ST7500** compact TETRA radio. Designed to meet the needs of Mission-Critical communications across a variety of public safety and commercial situations and environments, all of our devices are backed up with an extensive range of accessories and applications that allow your team members to customise the solution to their specific needs.

##### PORTABLE LTE NETWORK

Ultra Portable LTE Infrastructure so you can bring the broadband network with you, or install for fixed locations.

##### MISSION-CRITICAL LTE DEVICE

**LEX L11** Mission-Critical LTE portable device is rugged, easy to operate and collaborates with TETRA devices. It boasts loud and clear audio, intuitive operation with a dedicated push to talk button, and long battery life.

#### OUR SOLUTIONS:

##### VIDEO

**Si500** Body Worn Camera is a purpose-built wearable with an intuitive user interface that combines voice communications, video, voice recording and still image capture.

Our video analytics, network video management software and hardware, **Avigilon Appearance Search™ Technology** and **Unusual Motion Detection Technology** can help speed investigations and aid public safety.

##### COMMAND CENTRE SOLUTIONS

Support the field with more meaningful, real-time intelligence by extracting deeper insights from integrated voice, video and data. Integrate powerful real-time communications with advanced fleet control and dispatch functionalities. Our Control Room Systems, coupled with our **Command Centre Software** public safety solutions, maximise your operational effectiveness.

<sup>1</sup> Motorola Solutions EMEA Public Safety Survey, 2017



## CHALLENGE - MANAGE RISK AND KEEP UP WITH THE PACE OF TECHNOLOGY CHANGE

With the fast pace of technology advancement, the skills and expertise required to maximise system performance and mitigate risk are not always readily available in-house. Further, many public safety organisations no longer see the maintenance and management of ICT as a core function. Safeguarding your critical communications requires a comprehensive approach to address existing vulnerabilities, build cyber resilience, assess your risk posture, and understand how to respond and recover from intrusions.

### OUR SOLUTIONS:

#### MAXIMISE YOUR SYSTEM'S AVAILABILITY AND EQUIPMENT UPTIME

Safeguarding your critical communications requires a comprehensive approach. We have solutions that help you address existing vulnerabilities, build cyber resilience, assess your risk posture, and understand how to respond and recover from intrusions.



## CHALLENGE - ENSURE STAFF CAN COMMUNICATE

Creating reliable communications systems presents multiple challenges. Whether providing wide-area coverage, dealing with large numbers of users, connecting people at different sites or filling in blackspots in reception - network designers need to ensure that the technology used matches the user requirements.

### OUR SOLUTIONS:

#### HIGH PERFORMANCE NETWORKS

**MOTOTRBO™ Capacity Max** and **DIMETRA Express** provide trunked LMR network capabilities for DMR and TETRA users.

#### COLLABORATE SEAMLESSLY OVER BORDERLESS NETWORKS

The **WAVE** broadband Push-To-Talk platform connects users across radio, cellular, Wi-Fi and telephony networks to enable seamless workgroup collaboration.

#### PURPOSE BUILT DEVICES

We will showcase a selection of our **TETRA**, **MOTOTRBO**, **ASTRO 25**, and **LTE** portfolio of devices.

Our devices have been designed to meet the needs of Mission-Critical communications across a variety of public safety and commercial situations and environments and are backed up with an extensive range of accessories and applications that allow your team members to customise the solution to their specific needs.



## **MISSION CRITICAL TECHNOLOGIES AFRICA - BOOTH A84, AFRICACOM**

For more information on Motorola Solutions involvement in Mission Critical Technologies Africa, visit [motorolasolutions.com/saferafrika](https://motorolasolutions.com/saferafrika)

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

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