TECHNOLOGY IS TRANSFORMING EMS COMMUNICATIONS

REAL-TIME DIGITAL VOICE AND DATA EMPOWERS EMS TO IMPROVE PATIENT OUTCOMES WHILE INCREASING RESPONDER SAFETY

MOTOROLA *SOLUTIONS*

FASTER, INFORMED RESPONSES
CREATE IMPROVED OUTCOMES

Public safety grade communications enable EMS to accelerate response and meet their goals of reducing the time for treatment to begin, resulting in improved outcomes and survival rates. Our Connected EMS solutions give your emergency medical responders real-time access to crucial patient information and situational conditions, empowering them to make faster, smarter decisions prior to arrival, on the scene, and en route to the hospital.

PROCEED WITH INTELLIGENCE

An end-to-end emergency response system allows you to communicate directly with emergency responders across locations and jurisdictions for major event collaboration and support. Our integrated suite of technology makes it possible for your command and control center to provide information from a variety of inter-agency sources — law enforcement, fire, 9-1-1 calls, NG9-1-1 texts, streaming video and many more. This integrated suite of technology enables the center to provide first responders with detailed incident information and situational awareness so they can arrive on scene better prepared to approach the situation. Enhanced data and voice capabilities allow agencies to better coordinate and manage community paramedicine efforts as well as equip EMTs to treat more patients onsite. This can help eliminate the need for transport, thereby relieving inundated emergency departments.

Just as critical, digital voice and data technologies serve as a highly reliable communications lifeline for EMS first responders. Unfortunately, a disturbing but unavoidable fact of emergency medicine is that response teams have increasingly become at-risk targets of violence. Body-worn cameras can provide confidence and assurance that the truth is captured for EMT and paramedics when confronted with violent behavior and, simultaneously, record patient care for later reference or to share with doctors upon hospital arrival. Most important, first responders can instantly coordinate with other teams and hospitals over their P25 radio to report possibly dangerous situations with the confidence that their voice communications will always be clear, understandable, and never fail to get through.

SAFER, MORE EFFECTIVE RESPONSE
SAVES LIVES

As your trusted partner, Motorola supports EMS with powerful solutions that provide the entire emergency medical team with real-time, actionable intelligence. Our innovative, highly reliable networks and devices are purposefully built to deliver EMS-centric solutions, empowering emergency medical teams to save lives under the most difficult and pressure-ridden situations

Our EMS connectivity technology streamlines integrated, inclusive mobile communications for every member of the response and treatment team. Team members can be located anywhere and everywhere — in the command and control center, ambulances and other vehicles en-route or on-scene. Our solutions create a virtual on-scene presence focused on saving lives, where team members collaborate by accessing and sharing information on easy-to-use, multi-function radios, smartphones, and other advanced hardware and software solutions.
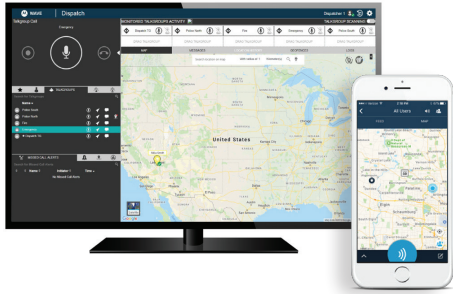
APX RADIOS FOR RELIABLE EMS LIFELINES

When you're responding to an emergency call, your radio is your patient's lifeline to life-saving treatment; it's also your lifeline to safety and security. That's why in emergency medicine every two-way radio conversation is crucial. Motorola APX™ portable radios provide leading-edge noise suppression technology, so every responder can be sure his or her calls will be clear and understandable despite chaotic, noisy conditions. APX radios are ergonomically designed to be easy to use even in difficult environments. They're also ruggedized to withstand the hazards of field use, from drops to excessive heat or cold to immersion in water. APX radios also enable EMS to utilize voice and data, and interoperability for communications with agencies in other communities and jurisdictions

LTE CONNECTIVITY WITH LEX HANDHELD DEVICES

In today's world, it is a necessity that emergency medical responders have mobile access to high priority LTE broadband data in addition to their P25 radio. This enables the team to leverage tele-medicine technology, provide and receive urgent updates from dispatch and command and control, and have interoperable push-to-talk capability. Motorola's LEX L11 mission-critical broadband device is designed to help you take maximum advantage of multimedia-rich applications that provide efficient and collaborative mission support en route to the site, on-scene and during transport to the hospital or trauma center. With features like built-in PTT and emergency buttons, extreme durability, inherent security protocol, long-lasting battery capacity, and being FirstNet ReadyTM, the LEX L11 is built for public safety. The LEX L11 can also pair directly to your APX radio over mission-critical Bluetooth enabling the LEX L11 to effectively become an LTE enabled PTT accessory to your APX radio.

INTEROPERABLE PUSH-TO-TALK SOLUTIONS

Motorola's broadband push-to-talk solutions empower every member of the response team across the continuum of care to instantly connect with each other, or with specific work groups via PTT. Applications like Kodiak and WAVE and their back-end integration into LMR networks eliminate boundaries and deliver real-time voice and data securely over any network using any device, including two-way radios, smartphones, laptops, tablets, rugged handhelds and landlines. Members of your emergency medical team can use devices they already have and networks to which they already subscribe to have PTT connectivity between their teams, hospital staff, specialty doctors and other individuals, both inside and outside your radio communication system.

BODY WORN AND DIGITAL EVIDENCE MANAGEMENT SOLUTIONS

More and more EMTs are victims of assault and violence while one the job. The Si Series body worn camera provides confidence and safety to EMT's and paramedics when confronted with violent behavior by providing the ability to document the event and change the offender's behavior. The Si200 and Si500 are both options for EMS body-worn video. The Si500 is a 3-in-1 device that combines the audio performance of an APX remote speaker mic, the utility of a wideview body-worn camera, and a ruggedized outward facing de-escalation screen prominently displaying its recording field of view with flashing red LED lights. The Si200 is a simple device that does not connect to an APX radio but has a companion application to ensure footage can be easily tagged and reviewed. The Si Series ensures every moment that happens on scene is captured with confidence.

Both the Si500 and Si200 integrate with CommandCentral Vault, an end-to-end encrypted, cloud-based digital evidence management solution to allow agencies to easily store, redact, manage organize, and share inter-agency any captured by their EMTs and Paramedics. CommandCentral Vault maintains top tier levels of security and, when combined with its automatic redaction tool footage, HIPAA compliance. When an Si500 or Si200 enters into its preprogrammed, trusted WiFi range, both devices automatically re-encrypt and upload its memory into the cloud where it is automatically organized based on an incident number, EMT involved, time, date, etc. drastically reducing the time agencies have to dedicate to video management and storage.

COMMANDCENTRAL AWARE-MAPPING AND LOCATION

EMS first responders in the field want the ability to get information without the need to switch between multiple applications. Our CommandCentral Aware Mapping and Location solution is a cloud-based mobile application that enables you to deliver relevant information to EMS personnel in the ambulance or on scene, no matter what smart device or network they're using. It gathers and organizes contextual information from multiple databases, and enables you to organize and map the data. Using its layer approach, you can have a single view of an incident that shows the location of people, resources, events, alerts and developing situations, fostering better decision-making, streamlining multi-agency collaboration and improving patient outcomes.

TURN DATA INTO SAFETY

Connected EMS Solutions transform your ever-growing data sources into a force multiplier enabling fast, accurate emergency response. Realize new ways to keep workflows simple and intuitive while improving situational awareness and patient safety and survivability. From answering thousands of emergency calls and text messages to processing video and patient records, Smart Public Safety Solutions integrate your command center, field EMS personnel and citizens for streamlined operations at an affordable cost.

CRITICAL COMMUNICATIONS SOFTWARE HELPS AIR EVAC LIFETEAM DELIVER FASTER AND MORE RELIABLE CRITICAL CARE IN RURAL AMERICA

Air Evac Lifeteam is the largest independently owned and member-supported air medical service in the U.S. The physical limitations of their radio network were becoming a liability, with multiple stations, consoles and dispatchers in play, and no inter-service interoperability or system survivability. Big issues were at risk: critical patient care and the organization's financial health. WAVE Work Group Communications helps Air Evac Lifeteam affordably achieve near-unlimited scalability, greater efficiency, extensive communications interoperability and system redundancy.

NEXT GENERATION TECHNOLOGY IMPROVES EMERGENCY SERVICES FOR ORLEANS PARISH COMMUNICATION DISTRICT

Orleans Parish Communication District (OPCD) is the emergency call administration center for New Orleans, Louisiana, a city with approximately 370,000 citizens and host to millions of tourists each year. OPCD handles more than 1 million 9-1-1 calls annually, routing requests to police, fire, and emergency medical services (EMS) personnel in the field. OPCD decided to implement a CAD system with NG9-1-1 integrated call control. The new integrated PremierOne™ CAD system consolidates multiple police, fire and EMS data streams into a single 9-1-1 call system. It features a data warehouse for quick access to incident history and pulls everything together into a single application data display. The system automatically routes incident reporting to the most appropriate dispatchers, and continually updates situations as they progress, pushing data to the field on tablets and mobile computers.

Instant Dispatcher Access

Flight crews use their radios to communicate directly with the initiators of emergency calls and receiving hospitals (on radios, cell phones and analog phones), ensuring the direct transfer of information to improve patient outcomes.

Improved Dispatch Operations

Air Evac Lifeteam established a 1:1 ratio of dispatchers to consoles. Every dispatcher can instantly access any helicopter and their radio from a single PC console, improving operations while minimizing costs.

Network Survivability

Implementation of a new network architecture allows for a redundant dispatch center that ensures far-reaching continuity of operations.

END-TO-END SERVICES MAKE MOTOROLA YOUR OPERATIONAL PARTNER

Motorola Solutions is your partner for comprehensive voice and data communications, including services that encompass the full technology lifecycle. Our experts help you assess, plan, and design your network. Motorola technicians monitor and maintain your equipment, ensuring its reliability and availability.

Our strategic, integration, and optimization teams bring order to complex, interoperable communication systems. We also manage cloud services, lowering costs and eliminating the challenge of operating your own network while at the same time freeing resources so you can concentrate on your mission at hand. Motorola Solutions commitment includes meeting all your customer-defined service-level agreements (SLAs) and key performance indicators (KPIs).

To learn more about how Motorola Connected EMS solutions can improve patient outcomes and increase responder safety visit **MotorolaSolutions.com/FireEMS**.

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