

MCA Delivers Optiwarn for Giant Voice System Management



OPTIWARN

**A MOTOROLA P25 SOLUTION
FOR SAFER & SMARTER COMMUNITIES**

Giant Voice — Secure Siren Solutions

OptiWarn™ is an optimized siren control solution that functions as a foundation for the management and activation of all warning sirens under your organizations' control. OptiWarn is reliable, secure, and presents an intuitive interface to our armed forces — improving coordinated responses to emergency events.

Motorola's Mission Critical Internet of Things (MC-IoT), available from MCA, helps allow you to collect, analyze, and share information in real-time from your giant voice systems — all over a mission critical network. Combining MC-IoT and an ASTRO P25 network provides for a solution with mission critical security, multiple layers of network resilience, and a siren agnostic platform.

Sending event-specific emergency communications to targeted audiences is more effective than general alerts. Motorola Solutions MC-IoT enable smarter, more efficient, and more proactive communications, helping to keep your bases and personnel safe.

Providing early, clear, and continuous communication during an emergency is key to alerting your forces.

When emergencies strike, it is imperative to reliably deliver the right information to the right people, fast, in order to best coordinate responses that minimize impacts to military structures and staff.

COMMUNICATION RELIABILITY

is low with outdated analog systems



SECURITY BREACHES

of legacy systems vulnerable to hacks



LIMITED INSIGHT

of siloed proprietary systems



INTELLIGENT SIREN SOLUTIONS IN ACTION MOTOROLA SOLUTIONS DELIVERS

Motorola Solutions enables operators and system maintenance personnel to pro-actively manage and maintain community wide siren and emergency alert systems. Our MC-Edge™ gateway enables exceptional remote monitoring capabilities and instant siren activation over the ASTRO P25 network.

Essential Services help ensure peak system performance and system uptime. Our services provide access to technical support resources for troubleshooting and maintenance, plus system and application software upgrades.



HIGH LEVEL SYSTEM ARCHITECTURE

FIVE PRIMARY COMPONENTS MAKING UP THE EMERGENCY WARNING SYSTEM



1. Activation Control Point - Provides the user interface for the operator to monitor and control the sirens.



4. Siren MC-Edge Controller - Integrates to the sirens in order to provide monitor and control capabilities.



2. Field Interface Unit (FIU) - sometimes called a remote terminal unit — acts as the communications gateway to the sirens.



5. Sirens - Provide the audible alerting mechanism. Existing or new sirens will be supported.



3. Communications Network - ASTRO P25 and additional parallel communication links such as public or private LTE.



Siren Map Screen

Operators can see the general siren status, check the individual status of each siren, activate the sirens, as well as scroll through any current alarms. A legend is available for siren icons color codes.

System Manager Access

Create roles to differentiate operators from system managers who can acknowledge all current alarms, add, remove, modify users, access additional administrator functions and provide site diagnostics.

Single Site Status

Right-click on a specific siren for detailed information. Siren number, name, address and GPS coordinates are displayed on a pop-up window alongside the icon which is plotted on a map.

Siren Functional Testing

Supports a wide variety of tests suited for each siren type. These can include silent amplifier tests for electronic sirens, short growl tests or non-audible rotation tests for mechanical sirens.

Adjustable Site List

Siren indication, siren name, and siren location are adjustable and allow the System Managers to change existing siren information, but also add sirens to the system.

Polygon Activation

Operators can enable Polygon mode, easily grouping sirens to test or activate. Drag any of the polygon vertices to make adjustments and select any additional sirens prior to activation.

Siren Command Logger

Operators can access the last 100 siren system activations. Each activation is time and date stamped with sequence performed, duration, # of sirens activated, sequence ID.

Alarm and Event Logging

Provide enhanced alarm and event logging with advanced grouping, prioritization, sorting and logging. Perform queries to search specific date/time ranges and create reports.

Reporting of Events

Capture and share essential forensic information from activations and monthly tests as well as availability status from ongoing heartbeat communications.

Adjustable Names

View and adjust Siren Command Logger. With appropriate access, operators can change the names of the command sequences.

Automated Scheduler

Schedule automated activations from the control center. The configuration options provide extensive possibilities: daily, weekly, weekday, weekend or monthly schedules.

Manager Zoom

Make changes to the siren number, name, location, and GPS coordinates, plus add/remove, associated sites from any of the pre-defined zones.

Role-based User Interface

Filter the OptiWarn interface based on the user role to provide an effective common operating picture to collaborate.

Mass Notification

Send alerts and updates to critical audiences via multiple communication methods such as text messages and email.

Zone Configuration

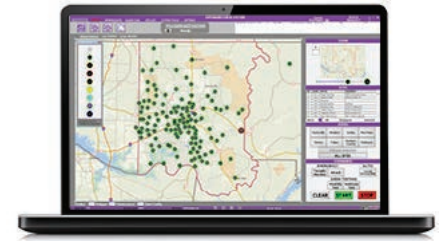
Easily reconfigure zones by moving sites in and out through the manager zoom screen.

External Interface

Have access to external alerting systems for visibility to weather alerts, facility SCADA system, etc.

In summary, the OptiWarn™ Siren Warning Application reduces stresses of emergency events by streamlining the management of voice and signal based alerts for your permanent and temporary military bases.

It is a highly optimized siren control application — functioning as the foundation for the management and activation of all warning voice and signal sirens within your organization. OptiWarn™ is reliable, secure and presents an intuitive interface to emergency personnel.



References



Dobbins Air Reserve Base
MARIETTA, GEORGIA

- 10 Whelen / American Signal Sirens
- 2 Desktop Control Centers
- At-Hoc Interface
- Automatic Activation Scheduler
- ASTRO P25 ROCC*



Kadena Air Base
OKINAWA, JAPAN

- 36 Whelen Sirens
- 4 Wireless Control Centers
- Dual Communication Link
 - ASTRO P25 and Conventional Analog
- AT-HOC Interface and Enhanced Security

*(Radio-Operated Control Center)

Why Partner with MCA?

- Over 30 Years Experience in Communications
- Quality Devices from Top Manufacturing Partners
- Rapid Deployment of Connectivity Solutions
- Fast, Secure, and Reliable Network Performance
- Customized Engineering Services



About Mobile Communications America



Mobile Communications America

Mobile Communications America (MCA) is one of the largest and most trusted Motorola partners in the U.S.A. — offering wireless communication solutions that enhance the safety, security, and efficiency of workplaces nationwide. Our clients trust us to provide a portfolio of turn-key systems, products and services — such as two-way radio, vehicle uplift, video and access control, BDA/DAS, remote monitoring, GPS tracking, SCADA, dispatch, mass notification, cellular (LTE, PLTE, 5G, and CBRS), and PTP wireless communications. Our more than 45,000 customers span a myriad of industries including public safety, commercial, education, healthcare, utilities, and government.



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