MCA Delivers Optiwarn Mass Notification Systems

OPTIWARN

A MOTOROLA P25 SOLUTION
FOR SAFER & SMARTER COMMUNITIES

Optiwarn Early Warning Smart Sirens

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 emergency personnel reducing stress during emergency events.

With extreme weather events on the rise, like tornadoes, hurricanes, floods, tsunamis, and earthquakes, along with threats from terrorism and disasters from human negligence, create an urgent need for early warning systems that can provide community members with real-time notifications to help them stay informed and take appropriate action.

When emergencies strike, it is imperative to reliably deliver the right information to the right people, fast, in order to best protect residents while minimizing negative impacts to individuals, structures, and the environment.

> Providing early, clear, and continuous communication during an emergency is key to preventing loss of life and minimizing panic.

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 mass notification and alert systems. With event-specific emergency communications sent to targeted audiences, messages are more effective. Motorola Solutions MC-IoT enables smarter, more efficient, and more proactive communications, to keep communities as safe as possible.

Mass Notification Systems

FREQUENCY AND INTENSITY
of severe weather has increased

SIREN SYSTEMS EXPOSED
to increasing number of cyber attacks

TORNADO CLUSTER
frequency is on the rise

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.

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

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

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

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

MOTOROLA SOLUTIONS

OptiWarn™ Features

MCA

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.
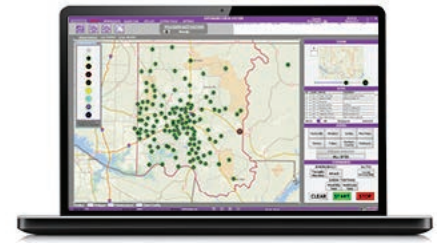
Zone Configuration

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.

MNS Solutions from MCA

In summary, the OptiWarn™ Siren Warning Application reduces stresses of emergency events by streamlining the management of voice and signal based alerts over areas big and small.

It is a highly optimized siren control application that functions 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

City of Fort Worth
TEXAS

• 147 Whelen Vortex Sirens
• 2 Desktop Control Centers
• 2 Portable Control Centers
• Dynamic System Resiliency
• Astro P25

County of Madison
ALABAMA

• 128 Sirens (multiple manufacturers)
• 8 Separate Government Agencies
  • Military, County, and City
• 2 Control Centers
• Astro P25

City of Plano
TEXAS

• 37 Whelen Sirens
  • Rotating Voice and Signal
• Multi-Lingual Digital Voice
• 5 Control Centers
• Astro P25 ROCC* w/DSR

*(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 (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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