



# MISSION CRITICAL INTERNET OF THINGS

GIANT VOICE – SECURE SIREN SOLUTIONS



# SOUND THE ALARM

## SECURE YOUR GIANT VOICE NETWORK OVER ASTRO P25

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

The Mission Critical Internet of Things (MC-IoT) from Motorola Solutions allows you to collect, analyze, and share real-time information from your giant voice systems, all over a mission critical network.

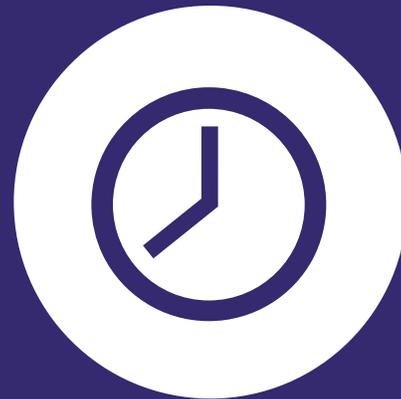
Combining MC-IoT and an ASTRO P25 network provides for a solution with mission critical security, multiple layers of network resilience, and a siren agnostic platform.

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.



### SECURITY BREACH

legacy siren system are increasingly being hacked



### COMMUNICATION RELIABILITY

outdated analog conventional systems



### LIMITED INSIGHT

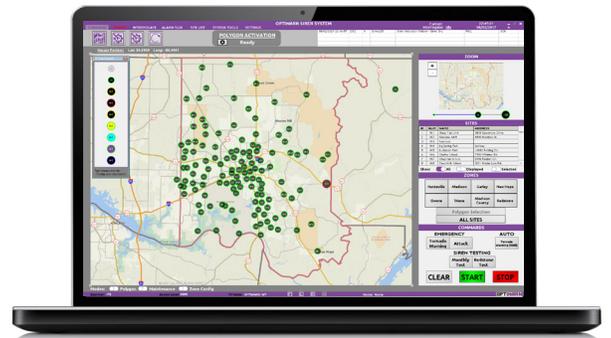
siloed proprietary systems



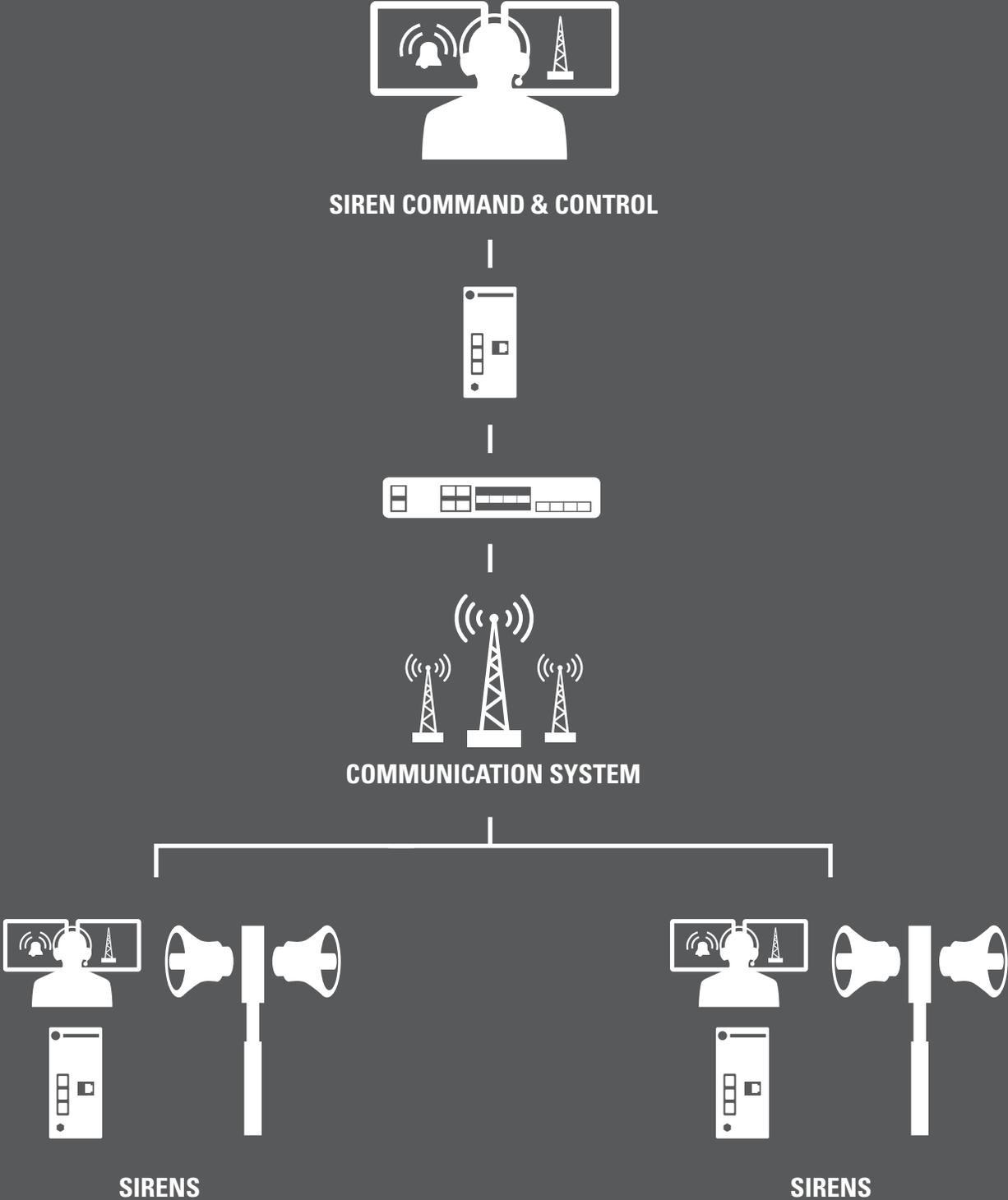
# INTELLIGENT SIREN SOLUTIONS IN ACTION

## MOTOROLA SOLUTIONS DELIVERS

Motorola Solutions enables operators and system maintenance personnel to pro-actively manage and maintain federal giant voice systems. OptiWarn™ is our intuitive and easy to use application that, when combined with the MC-Edge™ gateway, creates exceptional remote monitoring capabilities and instant siren activation over the ASTRO P25 network. In addition, the end-to-end security suite provides for a safe, secure, and reliable network.



# HIGH LEVEL SYSTEM ARCHITECTURE



# OPTIWARN

## OPTIMIZED SIREN WARNING SOLUTION

OptiWarn™ is an optimized siren control solution that functions as a foundation for the management and activation of all warning sirens within your operations. OptiWarn is reliable, secure, and presents an intuitive interface to emergency personnel reducing stress during emergency events.

## THERE ARE 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)** - Acts as the communication gateway to the sirens.
3. **Communications Network** - ASTRO P25 and additional parallel communication link.
4. **Siren MC-Edge™ (APX4000) Controller** - Integrates to the sirens in order to provide monitor and control capabilities.
5. **Sirens** - Provide the audible alerting mechanism.



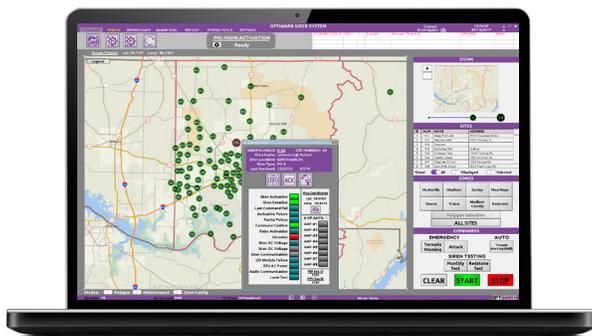
### AUTOMATED ACTIVATION SCHEDULER

Schedule automated activations sent from the Control Center. The configuration options provide the System Manager with extensive possibilities: daily, weekly, weekday, weekend or monthly schedules.



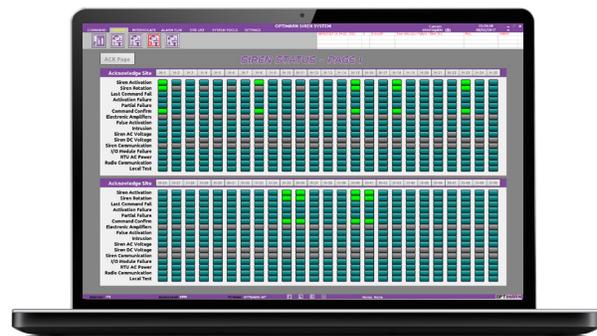
### PROACTIVE SYSTEM MAINTENANCE

Easily monitor various communication statistics for each remote siren site, with visibility into usage. Quickly detect and correct equipment issues, with the ability to proactively upgrade sirens. For example, quickly replace older mechanical sirens with new state-of-the-art electronic sirens, phasing in new units as funds become available.



### DEEP SYSTEM VISIBILITY

Gain a high-level, detailed mapped view of your entire siren system including alarm conditions and site navigation. Operators can view the overall system at-a-glance, as well as zoom in on specific sites as needed. Also, stay informed about activations and alarms via customized email notifications.



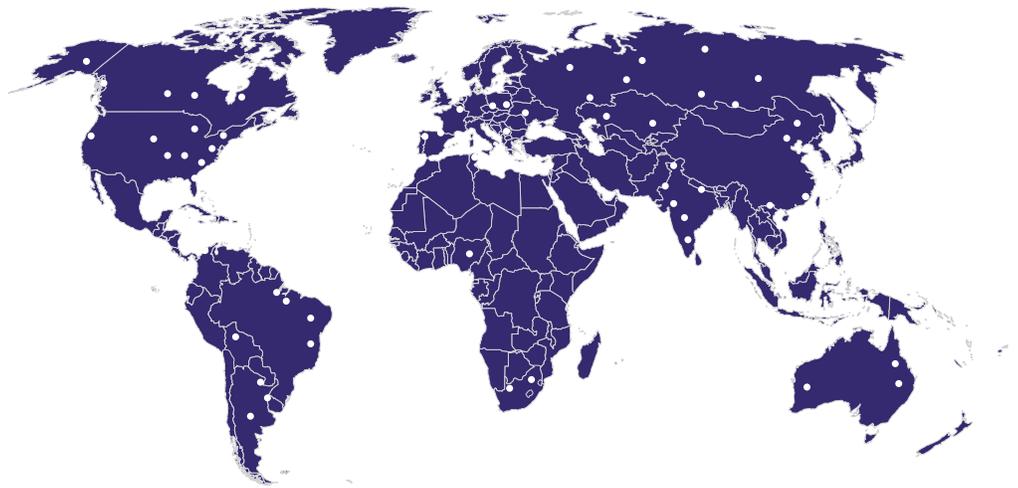
### REAL-TIME SIREN STATUS UPDATES

Instantly access siren site status updates with visibility into which sirens are active and which are disabled, monitored in real-time by the MC-Edge. Integrate with multiple siren manufacturers' hardware including Whelen Engineering, Federal Signal, ATI, American Signal, and more. Mix-and-match mechanical with electronic sirens in order to leverage existing sirens and grow as budgets allow.

# WHY MOTOROLA SOLUTIONS?

Our solutions help you better collect, analyze, and share real-time event-specific information from your giant voice systems. With Mission Critical IoT, you can more reliably deliver the right information to the right people in any situation, minimizing the impact of an emergency.

- Over 200,000 Mission Critical IoT and Telemetry communication controllers installed worldwide.
- Mission Critical Security - Lock down your network with end-to-end encryption, access control and logging of events and information flow.
- Benefit from multiple layers of network resilience and Motorola's proven background in building mission critical networks.
- Process data and trigger actions at the edge, increasing response times and automating workflows.



For more information, please visit [motorolasolutions.com/siren](https://motorolasolutions.com/siren)



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. [motorolasolutions.com](https://motorolasolutions.com)

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