Professional Services

We offer a team of experts so you can focus on the mission. We focus on the technologies to make your mission a success.

Consulting

- ✓ Assessment
- ✓ Recommended Best Practices
- ✓ Business Continuity Planning

Design

- ✓ Solution Development
- ✓ Disparate System Integration
- ✓ Certified Engineers on Staff

Deployment

- ✓ Physical Installation
- ✓ Project Management
- ✓ Service Partner Network
- ✓ Commissioning
- ✓ End-user Training

Managed Services

- ✓ 24/7 Support
- ✓ Network Monitoring
- ✓ Preventive Maintenance and Inspection
- ✓ Tailored Support Agreement
- ✓ Software as a Service
- ✓ Infrastructure as a Service

FEDERAL SIGNAL
Safety and Security Systems
Protecting people and our planet

total solutions.

Alerting and Notification Systems

Total solutions in:

Command and Control

Mass Notification

Indoor Warning

Outdoor Warning

Innovative Alerting Solutions

FEDERAL SIGNAL
Safety and Security Systems
Protecting people and our planet

Federal Signal at a glance

For more than 100 years, we have listened to our customers and imagined new ways to help meet evolving demands for comprehensive safety and security.

You are never out of sight or sound of Federal Signal

We bring together the best products and technologies to support safety and security in more than 100 countries. Working alongside our customers, helps us to solve some of their toughest problems and provide a solution that meets their needs. Our goal is to offer a broad range of experience and solutions to help customers think through and implement intelligent systems in safety, security and communications.
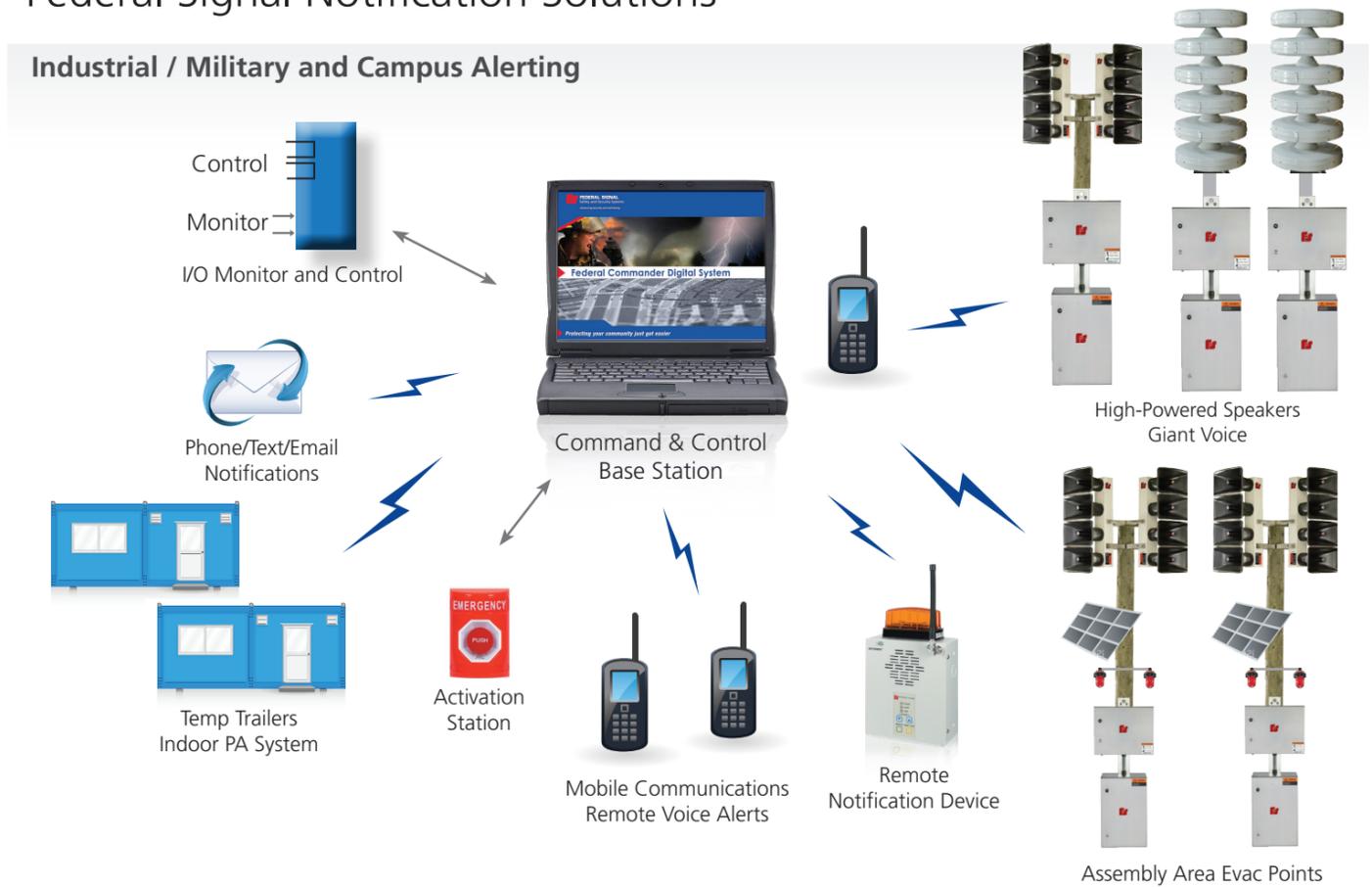
Total solutions to serve and protect

Federal Signal offers community leaders a portfolio of network systems to protect people, property and the environment — every day. Our total solutions include:

- **Campus Alerting**
- **Cloud-based Citizen Alerting and Notification**
- **Community and County-wide Outdoor Sirens**
- **Military Giant Voice Notification Systems**
- **Nuclear Power Plant Warning Systems**
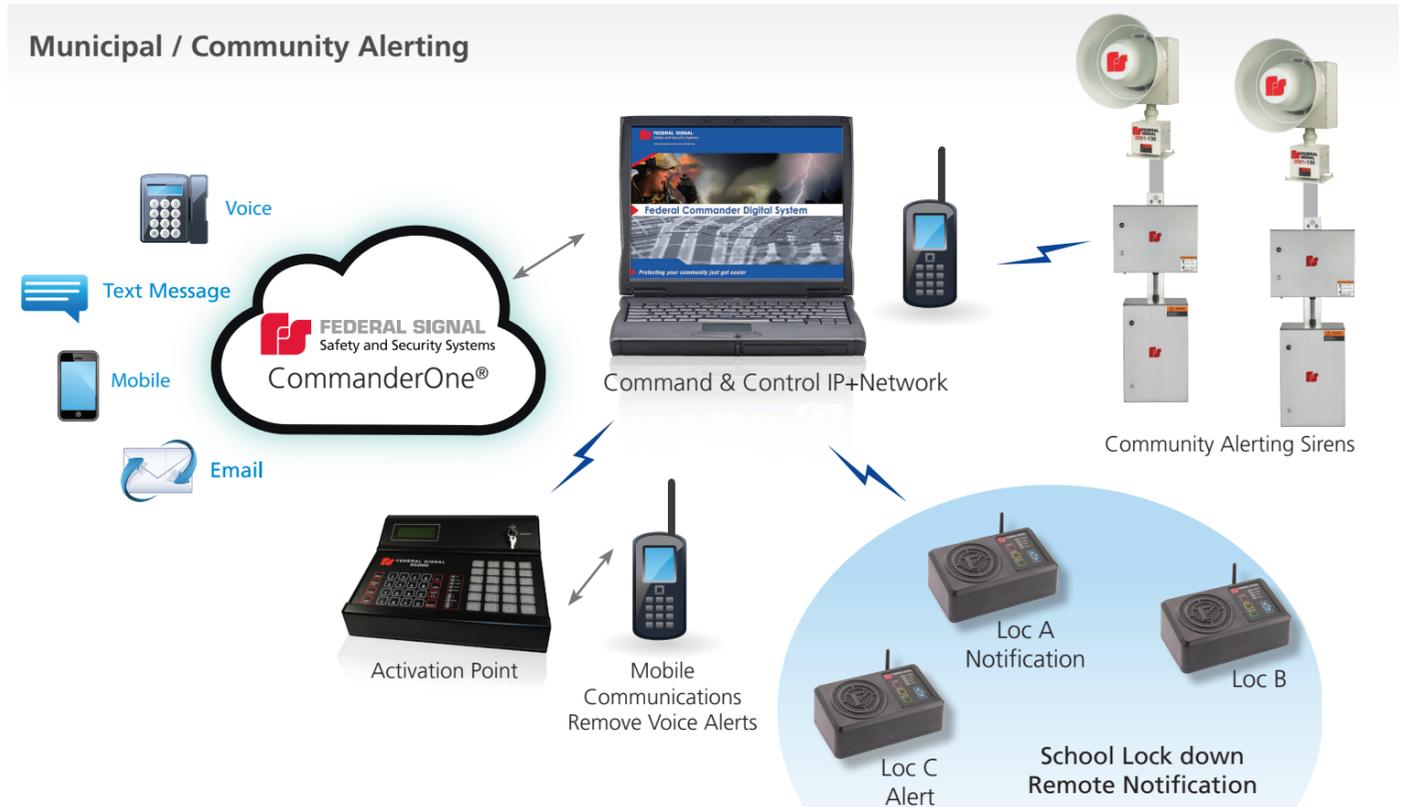- **Industrial Plant-wide Alerting, Notification and Evacuation Systems**

Federal Signal Notification Solutions

Industrial / Military and Campus Alerting

Control
Monitor
I/O Monitor and Control

Phone/Text/Email Notifications

Command & Control Base Station

High-Powered Speakers Giant Voice

Temp Trailers Indoor PA System

Activation Station

Mobile Communications Remote Voice Alerts

Remote Notification Device

Assembly Area Evac Points

Municipal / Community Alerting

Voice

Text Message

Mobile

Email

FEDERAL SIGNAL
Safety and Security Systems
CommanderOne®

Command & Control IP+Network

Community Alerting Sirens

Activation Point

Mobile Communications Remove Voice Alerts

Loc A Notification

Loc B

Loc C Alert

School Lock down Remote Notification

Outdoor Warning Solutions — Mechanical Sirens

Electro-mechanical

Federal Signal's electro-mechanical sirens are the highest quality and most reliable outdoor warning sirens. The 2001-130 /Equinox, 508-128, Eclipse8 and Model 2 sirens are readily deployed in municipalities, county and industrial facilities to provide outdoor public warning in the event of tornadoes, flooding, dam breach, severe weather, hurricanes, fires and other emergency events. Federal Signal's series of electro-mechanical sirens cover a wide range of sound output from 102dBc up to 130dBc with distinct steady, wail and fast wail tones.

The siren controllers are UL Listed, aluminum NEMA 4X cabinets offering one-way activation or two-way status monitoring. The controllers support a wide range of communication methods such as landline, conventional RF, trunked RF, P25 TETRA, IP (wireless broadband, Ethernet, fiber optic, cellular) and satellite.

Wide-Area Mechanical Sirens

2001-130 / Equinox

- Midrange frequency up to 130dBc
- Equinox model is a lower frequency siren

508-128

- Low frequency up to 128dBc

- Directional, rotating siren for maximum coverage
- Three distinct warning signals
- AC operation, DC operation and AC operation with battery back-up
- Maintenance-free sealed bearing motors
- Weather-resistant coating

Wide-Area Mechanical Sirens

Eclipse8

- 115dBc @ 100ft/30m sound output
- 360˚ omni-directional siren
- AC operation, DC operation and AC operation with battery back-up
- Three distinct warning signals
- 100% aluminum

Model 2

- Firehouse Siren
- 102dBc @ 100ft/30m sound output
- 360˚ omni-directional siren
- 120 or 240 VAC
- Three distinct warning signals

Controllers

DCFCTB Controller

- Siren controller for 48VDC sirens
- Two-way radio control and status monitoring
- Simultaneous single-tone, two-tone sequential, and DTMF, EAS, and POCSAG decoding
- Push buttons for local activation
- UL Listed for general signaling

FC Controller

- Radio receiver/decoder/timer with relay outputs
- Includes (4) individually programmable output relays
- Decoding capabilities: digital FSK, DTMF, 2-tone sequential, EAS, POCSAG
- Ideal for local and one-way control of 2001-130 Equinox, Eclipse 8, Model 2 sirens and firehouse alerting applications

Outdoor Warning Solutions — Giant Voice

Electronic

Federal Signal's electronic speaker arrays provide the highest level of clarity and voice intelligibility available in high-powered outdoor notification. The Modulator and Directional Speaker Array (DSA) help public safety official's address "all hazard" events that occur on a daily basis and provide them with the capability to initiate immediate instructions to the public.

The UltraVoice Controller is the most advanced remote terminal unit (RTU) available and is designed for reliability and redundancy. The UV400 amplifier offers increased levels of redundancy through its modular design. The efficient Class D amplifier offers increased power output and extended life.
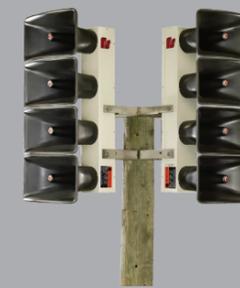
The controllers support a wide range of communication methods such as landline, conventional RF, trunked RF, IP (wireless broadband, Ethernet, fiber optic, cellular) and satellite.

Tone and Voice Speaker Arrays

Modulator

- 360˚ omni-directional speaker array
- Hyperbolic horn design provides superior voice clarity and intelligibility
- Sound output ranges from 106dBc - 124dBc @ 100ft/30m
- Driver access panels for easy maintenance

Directional Speaker Array

- System design flexibility—90˚ to 360˚ coverage
- Sound output ranges from 111dBc - 121dBc @ 100ft/30m
- Installation flexibility with building and pole mounting options

Controller

UltraVoice®

- UL and CE listed controller
- Standard aluminum NEMA 4X rated, optional stainless steel
- Modular component design for redundancy
- "Hot-swappable" control card and amplifiers
- Class D pulse width modulated amplifiers provide high clarity and intelligible voice reproduction

Indoor Warning Solutions

Federal Signal's indoor notification solutions provide real-time information to building occupants and personnel during emergency situations. The UltraVoice Indoor Controller (UVIC) is a pre-integrated control unit that offers a local-user interface and the ability to be a part of a networked system that connects multiple indoor facilities back to a central control point. The UVIC drives indoor speakers and strobes to provide visual and audible alerts. With the integration of message boards, emergency instructions can be quickly communicated. With the use of our UltraVoice Audio Relay Module the UVIC controller can interface to existing public address systems and fire panels.

The UltraVoice Remote Interface (UVRI) controller is a remote terminal unit that provides remote and local control of an individual buildings fire alarm, mass notification panel, or public address system. The UVRI creates a communication link between isolated building systems and our Federal Commander Control System.

Controller & Speakers/Strobes

UltraVoice® Indoor Controller

- UL Listed device
- Battery Back-up
- 800W amplification
- Remote activation
- Local Operating Console
- Interface to in-building MNS or PA Systems
- On-board digital voice
- Interface with scrolling message display

UVRI-B UltraVoice Remote Interface

- UL Listed Device
- Battery Back-up
- 100W Amplifier
- On-board digital voice
- Fire-panel Interface
- Indoor and outdoor systems available
- Flexible Communication IP Standard/Radio or Cellular optional

Indoor Alerting Device

Informer IP

- Programmable alarm sounds
- Clear voice messaging
- Output relays can control auxiliary equipment such as overhead doors, lighting systems and gas line shut offs
- Two-way alerting
- Two-way intercom
- POE or AC powered
- Wired Ethernet

Cloud Based Mass Notification

Federal Signal's CommanderOne® Mass Notification System provides cloud based MNS alerts. CommanderOne is a simple and intuitive alerting system to inform citizens, employees, students and emergency management personnel.

CommanderOne™
Commander   SS2000+   Radio

- Cloud web-based solution that integrates with a full range of notification devices
- Weather/Polygon Auto-Activation of outdoor sirens
- Messaging for mobile text/phone notification

User Experience – The Intuitive Interface is simple to setup, always up-to-date, and connects to your on-premise Commander control system.

Map-based Activation – Location of sirens and their status is critical. Use the geo-intelligent interface to see a overview of your system.

Weather – CommanderOne systems feature the option to activate sirens based on NOAA issued alerts. Additionally, the system allows a user to predetermine actions for every Emergency Alert System (EAS) code.

Auto-Sync Hotkeys – No need to keep multiple locations synchronized, your hotkey activation settings are automatically created in CommanderOne.

Mobility – A user-friendly app for iOS and Android. It has a web-based console with a mobile responsive GUI.

Desktop Freedom – Access your system from any computer connected to the internet.
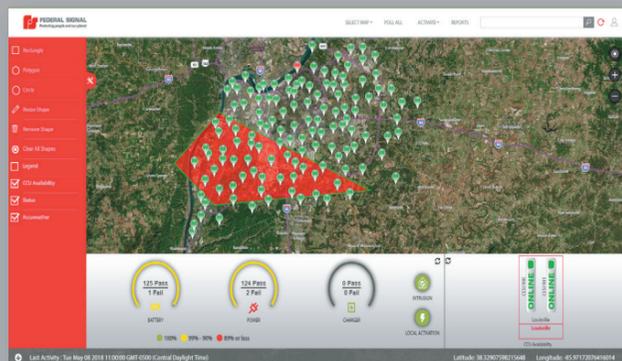
Security – We understand that security is your top priority. CommanderOne utilizes IPSEC over SSL with a multi-layered authentication mechanism.

Scalability – CommanderOne platform is scalable from a few devices to hundreds of devices. It leverages a global network of data centers to maintain availability while securing your data.

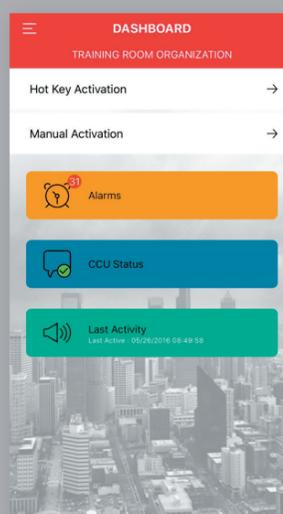## CommanderOne® Cloud-Based Control for Your Warning Systems

Web Dashboard

The web dashboard is designed to give you the status of the system in seconds. It utilizes Bing Maps and its responsive design enables colored icons to reflect the status of each site and control point. Each status monitor is color coded to quickly gain insight about your system.

All sites are Geo-Coded and Searchable.

Mobile App

Native iOS and Android apps let you control and monitor your system from virtually anywhere. It shows alarms with a signal click and refreshes status with a slide of a finder.

Federal Signal Commander System

Federal Signal's command and control software provides the ability to initiate an alert and notify personnel from a single point of activation. Through our comprehensive suite of integrated software applications, your agency can achieve complete communication interoperability.

Federal Signal's CommanderAssist® is a simple step by step alert application. An unlimited number of configurations allow simple implementation of your planned alerts.

Delivering communication solutions to meet your every need is our goal. As communication experts, we can design, deploy and manage your wired or wireless communication system.

Control Systems

Communication

Commander System

CommanderAssist

SS2000+ Controller

Commander System
- Ability to activate outdoor alerting systems, indoor speakers, strobes, Informers and personal devices
- Status monitoring and outdoor siren
- Activate individual devices, a zone of devices, or an all-call of the entire system
- Ability to schedule events
- ModBuss Interface
- CommanderAssist Dynamic messaging software

CommanderAssist
- Simple build-per-event messages
- Activate sirens, strobes, radio systems
- Touch screen Interface
- Deploys, Tone, Voice or Text Messages
- Flexible design and implementation of preprogrammed events

SS2000+ Controller
- Control console for notification activation
- Can be used to activate preprogrammed notifications
- Desk or rack mount
- Simple/Easy-to-use

Intelligent Systems — IP Enabled Alerting Systems

Federal Signal has an unique 100 W IP enabled speaker for use in a variety of applications. The Speaker can be used in standalone or networked applications.

The IP15 is a flexible speaker for indoor factory voice announcements. The IP15 can be powered via POE and networked to a Commander Control Station or used in a standalone application.

The I-IPSIU is a device to allow multiple I/O for activations of alerts or to control external devices. The I-IPSIU can also be used to interface radio systems to allow voice alerts to be broadcast over your radio system.

The I-IP2 provides two Informer-PA models in a single rack enclosure for interfacing with public address systems. Informer-PA, when paired with the Commander control system, offers the same level of security available with all Federal Signal control systems.

Informer100 Speaker

IP15 Speaker

Informer100 Speaker
- IP100 — 100 watt Indoor/Outdoor Speaker
- 24 VDC / 120/240 VAC operation
- 120 dB at 10 ft
- Local networked activation of intelligible voice alerts

IP15 Speaker
- IP15 — 15 watt Indoor/Outdoor Speaker
- POE or 24 VDC operation
- 110 dB at 10 ft
- Local or networked activation of intelligible voice alerts

I-IPSIU

I-IP2

I-IPSIU
- I-IPSIU Sensor / Radio Interface Unit
- 16 Inputs / 4 Relay Outputs
- Radio Interface (see data sheet for radio applications)
- 19 inch Rack or Wall mount

I-IP2
- I-IP2 Dual Rack Informer-PA for Public Interface
- Power over Ethernet (PoE) or AC powered
- Web or mobile based activation with CommanderOne
- 19 inch Rack mount, Wall or desk mount