

DCR *Engineering
Services, Inc.*

MACH **ALERT**™

FIRE STATION AUTOMATION and ALERTING

High Tech Solutions, for Everyday Challenges



MOTOROLA
Value-Added Reseller
Fixed Data Products



Fire Station Alerting System

- Reduce response times.**
- Reduce firefighter stress.**
- Improve ISO ratings.**

**Motorola Solutions
ASTRO® 25 Integrated Data
Operation as well as
Integration with MCC 7500 Consoles**

The *MACH Alert* Fire Station Alerting (FSA) system is designed to simplify and automate Fire/EMS station alerting. This proven technology manages all dispatch, toning and station security processes with one system designed to operate the way you do.

*It provides the control you need to respond seamlessly to a critical situation.
It enables Fire and EMS to respond faster to your community's emergencies.*

The *MACH Alert* FSA system is A TOTAL SYSTEM SOLUTION capable of managing virtually any station alerting task from small systems consisting of a few fire stations with a single dispatch center, to complex FSA systems involving over one hundred stations and multiple control center sites connected via radio, Ethernet and/or wireless broadband networks.

Motorola's new ACE3600 high-performance controller contains the processing power, digital inputs, digital outputs, and communications compatibility required to intelligently manage the station alerting process.



Proven Technology — Software Customization — Intuitive User Interface

Let us demonstrate how a custom designed FSA system can get your equipment and personnel to the scene of the fire faster.



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Cost Effective, Reliable, and Modular

The *MACH Alert* Fire Station Alerting System is a cost-effective solution that provides essential features without adding unnecessary cost. Installations can be tailored to your specific fire and rescue needs.

Motorola reliability assures the FSA system is ready when you need it, your stations are alerted, and your apparatus are responding faster.

The Motorola ACE3600 controller is a modular and integrated unit with all components (CPU, I/O modules, power supply-charger, and radio) manufactured, assembled, factory tested, and backed by Motorola. Component reliability reduces maintenance costs and downtime.

A total of 32 digital inputs and outputs with integrated relays are provided allowing cost effective fire station partitioning into custom LED lighting and audio zones.

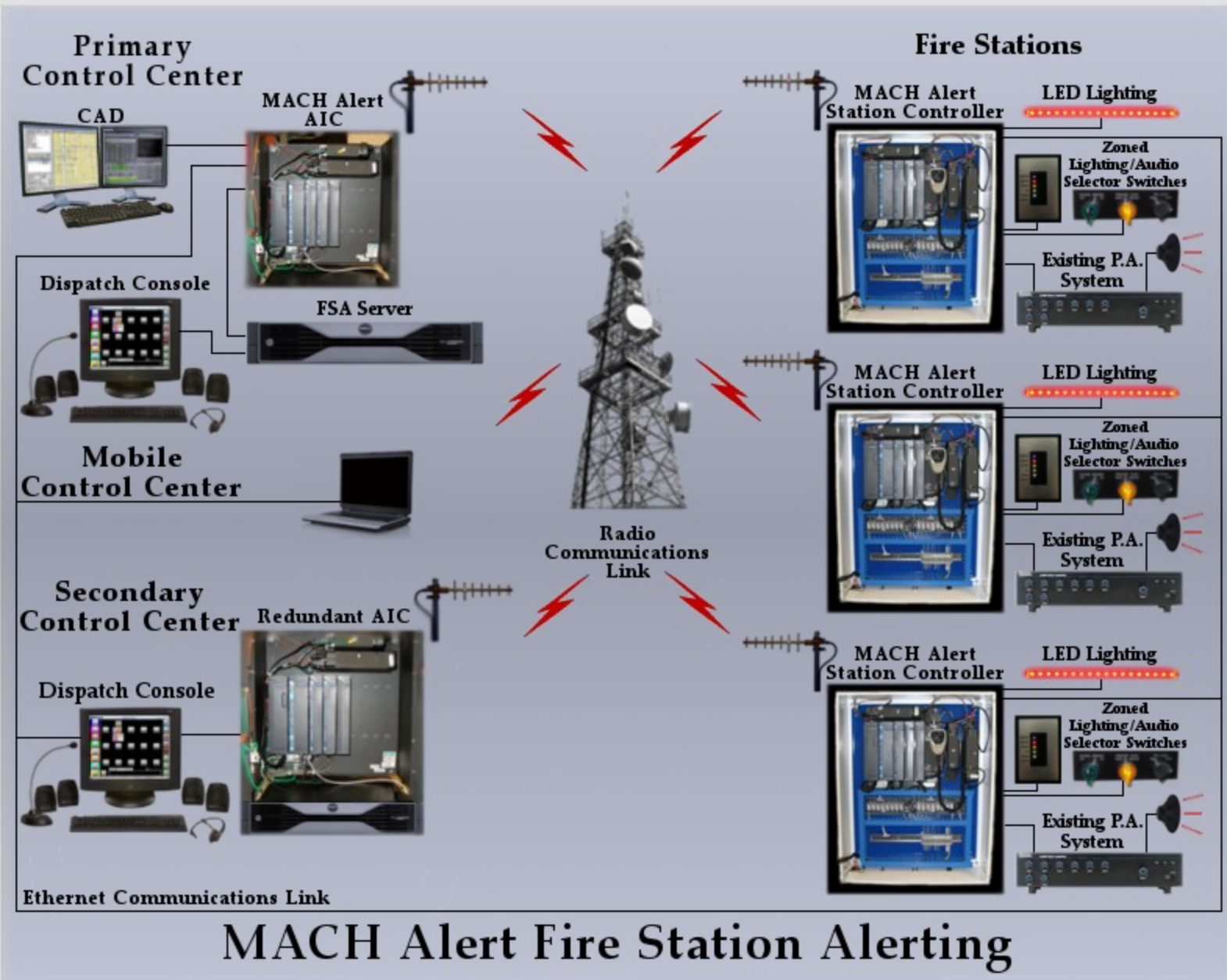
Additional capacity can be added as required allowing graceful migration into future technologies and additional station functions. Station upgrades can be installed as needs dictate. This allows for easy and inexpensive system expansion.

MACH Alert broadcasts the alerting commands to multiple fire stations *simultaneously* over redundant communications links. This assures the fire stations are alerted the first time and reduces the time it takes to alert multiple stations. This system design offers “high-availability” fire station alerting operation.



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MACH Alert is a distributed intelligence system consisting of integrated dispatch, an Alerting Interface Controller (AIC) located at dispatch, Station Controllers (SC) at each station, and customizable software that provide comprehensive monitoring and control of your incident response. The AIC and SCs are the same equipment which simplifies inventory and maintenance.



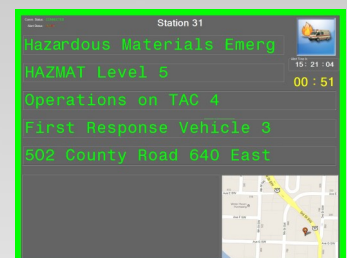
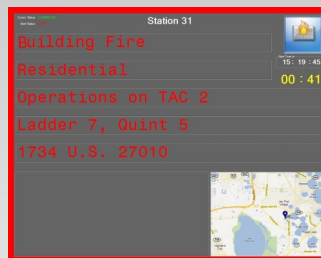
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Fire Station Alerting System Additional Capabilities

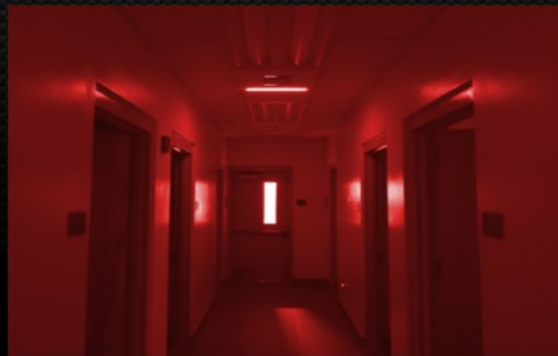
- 24 hour / 365 day technical support
- Service and Support – on-site emergency service response
- Redundant Communications Links – ASTRO® 25 Integrated Data or Analog Trunking, VHF, UHF, Ethernet, Wireless IP
- NFPA 1221 Recommendations compliant
- Multiple levels of system redundancy
- Computer-Aided Dispatch (CAD) Integration – automated station alerting
- CAD automated “human voice quality” station announcements
- Gold Elite/MCC 7500 Console Integration – dispatch radio and alert fire stations from existing console screen
- Backup Station Alerting if CAD Fails – station alerting using dedicated Station Alerting Screen
- Remote FSA System Access – alert stations or conduct system maintenance and diagnostics from remote locations
- Simultaneously alert multiple stations with a single “Send” command
- “Acknowledgment” for each alert – dispatch receives positive acknowledgment that the station was alerted
- Ramped Alert Tones – reduces firefighter and paramedic stress
- User-customized Alert Tones – custom incident alert tones unique to the type of alert
- Zoned Station Alerting – custom alerts and voice announcements to select zones of speakers
- Bunk Room Alerting and Bunk Room Illumination – ramped alert tones and LED lighting directed to specific bunk rooms
- Automate Fire Station Auxiliary functions:
 - Open bay doors
 - Turn off appliances
 - Control traffic signals
 - Activate exhaust system
 - Activate Incident Display Boards, Stack and Strobe Lights, Count Down Timers, etc.
- Alarm Notifications – automatically send emails or call cell phones if major FSA system events or alarms occur
- Automatic Reset – system automatically turns off and resets lights and tones to prepare the station for the next call
- All FSA system events and alarms are time and date stamped and logged into the system database





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