



Locution Systems, Inc.
Product Overview
(www.locution.com)

1626 Cole Blvd., Suite 325
Golden, CO 80401
303 932 0014
FAX 303 384 9014
www.locution.com

Everyone in public safety understands that faster response times to fires or medical emergencies almost always equal better outcomes. In addition, stress-related heart attacks are the No. 1 killer of firefighters, according to the National Fire Protection Association (NFPA). Locution Systems, Inc. offers technology to solve these two critical challenges in the public safety arena.

The key to shaving seconds, and sometimes minutes, off response times is automated dispatching.

The key to reducing stress for dispatchers is automated dispatching technology.

The key to reducing stress for fire fighters and EMS workers is to provide graduated, or “ramped,” tones and lighting in the fire stations.

With this in mind, Locution Systems, Inc. has developed a suite of automated dispatching and fire station alerting products that interface with today’s computer-aided dispatch (CAD) systems used in public safety departments. Locution Systems’ products have been proven to speed response times to fires and medical emergencies, and reduce stress for public safety workers.

Locution Systems products are installed in small, medium and large cities and counties throughout the nation, including Los Angeles, Chicago, Seattle, and more. The following is a quick look at Locution Systems’ product suite.

Key Features of Locution Systems Products:

- Software-driven system (*for maximum cost effectiveness*)
- Open-platform system based on industry standard hardware and software protocols (*for easier migration as protocols change and evolve*)
- Fully interoperable with standard CAD and fire station control systems (*for easy integration*)
- Windows-based (*for cost-effective operation and long-term maintenance*)
- Remote update capabilities (*for cost-effective remote updating of systems*)

-more-

Key Benefits of Locution Systems Products:

- Faster response times – by seconds and minutes
- Reduced call stacking, dispatcher stress, and 911 center turnover
- Reduced facility, staffing, and training expenses
- Reduced “Please repeat” responses from emergency responders
- Reduced long-term system maintenance and upgrade costs

CADVoice® Station:

Automated Dispatching and Fire Station Control Technology For Fire Stations

CADVoice® Station, Locution Systems’ flagship product, is a public safety dispatching and fire station alerting system that interfaces with all standard computer-aided dispatch (CAD) systems.

In an emergency communications or dispatch center, CADVoice® Station automates and streamlines dispatching by using advanced voice technology, which quickly translates text messages into messages spoken by a natural-sounding human voice coming from the computer, and routes them to the rescue unit which will respond to the emergency.

CADVoice® Station’s automated dispatching technology separates the act of speaking the dispatch from the dispatcher, allowing them to handle more calls in the same amount of time, and providing emergency responders in the station and the field with a clear, consistent, accent-neutral voice that’s easy to understand in stressful situations.

CADVoice® Station also has a full complement of automated visual indicators and fire station controls designed to alert crews, including ramped lighting (at night), colored light bars, LED reader boards with text messages, automated activation of bay doors, and more.

CADVoice® Station provides:

- Automated dispatching
- Full station alerting, including ramped lighting and tonal alerts, intelligent, zoned alerting, and activation or de-activation of garage bay doors, traffic signals and appliances.

-more-

**CADVoice® Station:
Visual Indicators and Automated Control of Lights, Doors, and More**

Locution Systems' fire station control system offers a sophisticated array of options that can be deployed to generate faster turnout times and reduce stress for first responders. The following is a quick look at our offerings in this area:

- **Colored Light Bars:** Light bars that indicate which unit is being dispatched, by color, is a fast, easy, affordable way to alert units being dispatched.
- **LED Reader Boards:** Available in single- or multiple-line versions, LED reader boards can be used to alert units that they are being dispatched, and also can relay station or unit status information. LED reader boards also can be configured with a handy timer which starts counting the instant the dispatch comes through. Showing crews the length of time it is taking to leave for a call is a handy tool for improving turnout times.
- **DALI Lighting:** Digital addressable lighting systems which are tied to the station PC allow for maximum control and zoning of lights. Essentially, with the DALI lighting system, each light gets its own "address," or ID, and can be individually controlled by the computer.
- **Ramped Tone Alerts:** When emergency calls occur in the middle of the night, ramped, or graduated, tones are key to reducing the stress of being awakened from a dead sleep (vs. a single piercing tone that causes major stress).
- **Ramped Lighting:** Ramped, or graduated, lighting at night both preserves night vision and reduces stress. Locution Systems' lighting system can be configured to ramp up from 0-100 percent over time, allowing responders' eyes to adjust to the lighting. Lighting also can be red for maximum night vision.
- **Automated Bay Door Activation:** Having the bay door automatically open so the truck is ready to leave the instant the crew is on board can significantly improve response times. Locution System's array of fire station control options includes automatic activation (and de-activation) of bay doors, stoves, and more.

-more-

**CADVoice® Radio:
Automated Dispatching To Those With Radio Systems**

Designed to work in tandem with CADVoice® Station or on its own, CADVoice® Radio allows communications and dispatch centers to relay dispatches, not only to fire stations via radios, but to emergency personnel carrying radios. Thus, emergency responders who are in vehicles, making a trip to a grocery store, or teaching a public safety class will have immediate access to dispatches. CADVoice® Radio integrates seamlessly with CADVoice® Station and relies on the same pre-recorded audio database utilized by CADVoice® Station.

CADVoice® Radio provides:

- Single or multiple dispatch channel options
- Seamless integration with the Motorola Gold Elite radio systems
- Custom integration with other radio systems as needed, on a quote basis
- Message prioritization capabilities based on urgency of dispatches
- Automatic message shortening when multiple dispatches are being relayed for faster dissemination of the messages
- An analog-based system in order to interface with the industry standard radio

**CADVoice® Mobile:
Automated Dispatching To Mobile Data Computers in Vehicles**

CADVoice® Mobile works in conjunction with CADVoice® Station – by providing mobile dispatching in districts that have mobile data computers (MDCs) for their vehicles. CADVoice® Mobile allows communications center dispatchers to simultaneously relay messages to the fire station and to units in the field.

CADVoice® Mobile is a digital system, which results in faster transmissions than analog systems. This is because messages are sent in “data packets” that can be transmitted in milliseconds.

CADVoice® Mobile provides:

- Seamless integration with CADVoice® Station
- Faster message relay than analog systems
- Custom targeting of specific vehicles or units
- A digital-based system

**CADVoice® ZoneTracker™:
Intelligent, Zoned Dispatching Within Fire Stations**

CADVoice® ZoneTracker™ provides an easy-to-use, tech-friendly way for firefighters and medics to update their location in the fire station so emergency dispatches reach them more quickly. ZoneTracker software resides on tech-friendly touchpad screens. Units that reside in the dorm rooms are wall-mounted. The dorm touchpad operates either in hard-wired or wireless mode. ZoneTracker operates in conjunction with Locution Systems' flagship product, CADVoice® Station.

Quite simply, emergency responders can place their finger on the touchpad to indicate where they are located within the fire station. The CADVoice® system then will update their location in real time, and intelligently route dispatches directly to the crew member or unit that needs to respond to a call.

The use of ZoneTracker results in faster response times by routing dispatches more quickly, and directly to the responders wherever they are located within the station. ZoneTracker also can be configured to route emergency calls directly to the responders being dispatched in the middle of the night, without waking up the rest of the people in the station.

Locution EmailAlert

There are certain types of incidents that require the notification of more than fire fighters and emergency medical personnel. In the event of an emergency at high-profile facilities such as airports, nuclear plants, water treatment facilities, a wide variety of non-emergency personnel may need to be alerted. Locution Systems' EmailAlert allows dispatchers to continue to focus on alerting emergency response personnel, while also notifying non-emergency personnel of the incident.

-more-

6-6-6

EmailAlert takes the same dispatch coming in from standard computer-aided dispatch (CAD) systems, which then routes to the Locution Systems server in a public safety department's emergency communications center. Once the message hits the Locution Systems server, the message automatically is translated to a text-based email (along with translation into the automated dispatch spoken by the computer), and this email can be relayed via email to non-emergency personnel who need to know about specific, high-profile incidents.

Unlike some email alerting systems which severely limit the number of personnel who can be notified, the number of email notifications that can be sent via Locution Systems' EmailAlert is virtually limitless.

Locution PagerAlert

There are numerous instances when public safety departments opt to dispatch emergency personnel via a pager. When this is the case, Locution Systems' PagerAlert, working in tandem with CADVoice® Station, can be used to notify fire and emergency medical workers via an alphanumeric paging system.

Dispatches sent by PagerAlert can be relayed by any of the three standard paging data protocols, including TAP (Telocator Alphanumeric Protocol), SMS (Simple Messaging System), and SNPP (Simple Network Paging Protocol). Once a dispatch comes through the CAD system, PagerAlert simply converts the message into a paging data protocol and automatically relays the dispatch to targeted fire or EMS personnel.

###

(June 2008)