

# Zetron's **CAD**, **Mobile CAD**, and **GIS Application Suite**



**ZETRON**<sup>®</sup>

## Zetron's CAD, Mobile CAD, and GIS Application Suite

# Improve situational awareness. Cut response times. Enhance operational effectiveness.

Zetron's versatile next-generation CAD-and-mapping application suite includes Zetron's Computer-aided Dispatch (CAD), Mobile CAD, and Geographic Information System (GIS). The suite's easy-to-use graphical user interface (GUI) and rich features enhance situational awareness as well as the speed and effectiveness of your emergency response. The familiar, consistent Microsoft environment minimizes training, maintenance, and administrative costs.

Zetron CAD and GIS can work as integrated or standalone modules. When Zetron CAD, Mobile CAD, and GIS are utilized as a fully integrated suite, Zetron CAD automatically displays active CAD incidents on the Zetron GIS map viewer. This allows dispatchers to observe both CAD and map data for active incidents. Zetron CAD and GIS data are also displayed on Mobile CAD to give first responders the same map view, CAD notations, and information that are available to dispatchers. The suite can be deployed at a single site or across multiple agencies or jurisdictions.



## Zetron CAD

Zetron's Next-Generation 9-1-1-ready CAD application is an efficient, affordable dispatch and incident-management solution that can adapt as your needs change.

### FEATURES

- **Easy to use.** The clean, intuitive design of the graphical user interface (GUI) makes the system easy to learn and use.
- **Efficient incident window.** Workflow efficiency starts with an open-incident window that allows each incident to be viewed and worked by any authorized dispatcher. Within the active window, dispatchers can provide emergency personnel with critical information such as street directions, medical histories, and hazards related to the situation. Incident-specific information is presented in red for high visibility. The drag-and-drop feature allows dispatchers to move information easily into the incident-management window.
- **Reliable, hardened technology.** Zetron CAD uses standard Microsoft network and database architecture and is hardened for high availability and disaster tolerance.
- **Support for standard COTS products.** The application's development in a .NET framework and utilization of a SQL database support commercial, off-the-shelf (COTS) workstations and servers.
- **Robust local administrative controls.** Zetron CAD can be configured by the CAD administrator to meet current and evolving agency requirements. This allows the application to grow and change along with the public safety answering point (PSAP). It also reduces support costs and allows local customization without the expense other customized CAD solutions typically incur.
- **Scalable, customizable architecture.** The application scales to support multi-agency and multi-jurisdictional environments. Workflows and reporting features can be customized to support agency preferences.
- **Navigation options.** Dispatchers can navigate easily by using the command line, right-click mouse menus, keyboard shortcuts, or function keys.
- **Advanced reporting.** An advanced reporting package allows you to create standard or customized reports and to fulfill routine or ad hoc reporting requests. The CAD database's SQL architecture facilitates rapid search and report generation.
- **Records management system and protocol integration.** Zetron CAD includes optional interfaces to records-management system (RMS) applications, protocol-integration solutions, and other third-party databases. This allows agencies to integrate third-party medical and disaster Standard Operating Procedures (SOPs) into Zetron CAD. Zetron CAD can also integrate with RMS applications through an XML data stream.
- **Additional Zetron CAD features.** Zetron CAD includes scheduling tools, officer-welfare alarms, and the automatic rotation of tow-truck companies and other on-call services.



## Zetron Mobile CAD

Zetron Mobile CAD works with Zetron CAD to bring full CAD and mapping functionality into a vehicle or Windows mobile device. It gives first responders access to the same incident-history data and map files dispatchers are viewing, which improves the effectiveness and accuracy of the emergency response.

### FEATURES

- **Easy access to incident details.** Mobile CAD offers easy access to critical tools, information, and resources, including detailed maps, GPS locations, National Crime Information Center (NCIC) data, Department of Motor Vehicle (DMV) queries, and subject or vehicle information.
- **Private chat:** The application's private chat capabilities help clarify critical communications and reduce radio traffic.
- **Secure communications.** Mobile CAD utilizes standard encryption to ensure communications are secure.

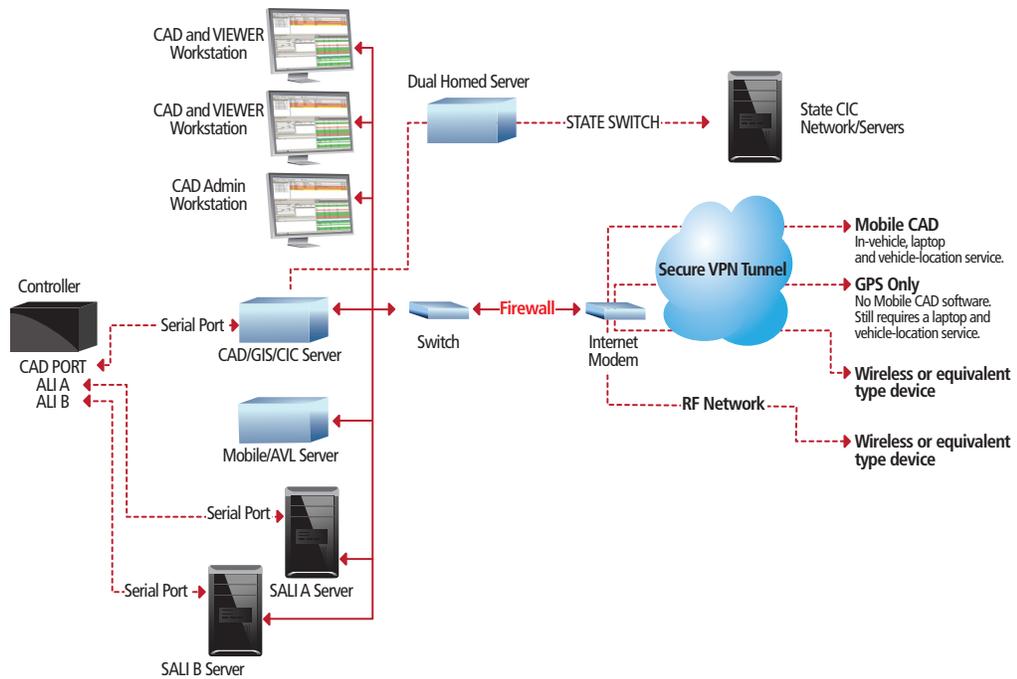
## Zetron GIS

Zetron's Esri-based GIS includes a map viewer, optional AVL module, and map-editing and publishing applications that improve GIS file management. Zetron GIS can operate as a standalone map viewer that uses ANI/ALI information to display the active incident, or it can be integrated with the active CAD incident and historical database. When the map viewer is integrated with the CAD database, it automatically maps the active CAD incident, enabling dispatchers to provide routing assistance and critical information to field personnel. The optional AVL module displays vehicle locations on the GIS map viewer. The AVL module can be integrated through an API to selected Zetron dispatch consoles to allow map-based vehicle dispatch.

### FEATURES

- **Optional AVL integration.** The Zetron map viewer displays vehicle locations in a dynamically updated map layer.
- **Enhanced routing assistance to first responders.** With the map viewer, dispatchers can quickly and efficiently provide routing assistance and key location, road, and landmark information to emergency response personnel. The map viewer includes search and bookmarking functions that provide quick access to key locations.
- **Unlimited map layers.** Unlike other map viewers, Zetron GIS supports unlimited map layers that can offer a richer array of local information, such as emergency escape routes, building schematics, fire hydrant locations, pre-defined helicopter-landing zones, local construction, and landmarks.
- **Local, flexible administration and control.** The optional map editor and publishing module allows map files to be created and administered locally. As a result, administrators can add locally relevant information to the GIS and update maps in response to changing local conditions. It also gives administrators the flexibility to make changes at their convenience.

## Zetron CAD/Mobile CAD/GIS Schematic



## Specifications

**Operating System:** Microsoft Windows 7 Professional or higher operating system for workstations, Microsoft Windows Server 2008 or higher operating system for CAD and GIS servers HAE.

**CAD Server:** Intel® Xeon, 2 GHz or better, 8 GB RAM or better, Microsoft Windows Server 2008 or Microsoft Windows Advanced Server, 300 GB of free disk space, RAID 5 or better, DVD-RW drive.

**Workstations:** Intel® Xeon, 2.4 GHz or better, 4 GB SDRAM, 140 GB of free disk storage space, Windows 7 Professional or higher, DVD-RW drive, two dual graphics cards with 512 MB dedicated RAM.

**Monitor:** Recommended 23" monitor with 1920 x 1080 resolution.

**GIS Server:** Intel® Xeon, 2.4 GHz or better, 4 GB SDRAM, 140 GB of free disk storage space, Windows 7 Professional or higher, DVD-RW drive, two dual graphics cards with 512 MB dedicated RAM.

**ALI Parsing:** Proprietary ALI parsing technology allows Zetron CAD to communicate with call-taking consoles that support NENA standard serial or IP CAD spills.

**Available Interfaces:** NCIC interface.

**RMS/JMS:** Protocol and decision-support applications, generic delimited .txt or XML data package available for ad hoc integration.

# ZETRON®

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