

ZETRON

# MAX CAD

Application Suite



# Improve Situational Awareness. Cut Response Times. Enhance Operational Effectiveness.



Zetron's next-generation Computer Aided Dispatch (CAD) and GIS solutions help public safety answering points (PSAPs), emergency services dispatchers and first responders by combining real-time incident management with location and subject data that improves overall situational awareness.

Zetron's MAX CAD and MAX GIS are scalable and intuitive solutions that are designed to be easy-to-use, easy-to-administer, and built with public safety dispatchers in mind. MAX CAD includes the control room CAD, an in-vehicle or mobile CAD solution and an advanced GIS map and management suite. MAX CAD uses open-standard interfaces with RMS/JMS packages, NCIC and additional third-party applications.

When combined with the larger Zetron 9-1-1 call handling and critical-communications dispatch portfolios MAX CAD provides an integrated single vendor solution for the entire public safety or mission critical control room.

## MAX 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.

- **Simplified GUI contributes to efficient workflow.** The clean, intuitive design of the graphical user interface (GUI) makes the system easy to learn and use. The MAX CAD screen supports a customized, administrator enabled, PSAP workflow by personalized call queues and a configurable CAD screen that changes both layout and color scheme based on dispatcher preference.
- **Local administrative control.** MAX 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 PSAP. Local administrative control also reduces support costs and allows local customization without customized CAD development.
- **Advanced reporting tools.** 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.
- **Open-standard Records Management System (RMS) and third-party protocol integration.** MAX CAD includes optional interfaces to 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 MAX CAD. MAX CAD can also integrate with RMS applications through an XML data stream.

## Features and Benefits



### **Affordable.**

MAX CAD and MAX GIS are budget friendly and affordable with a low total cost of ownership. The use of commercial off the shelf (COTS) hardware and a Microsoft ecosystem reduces overall administrative costs. The Microsoft SQL CAD database is owned by the customer while an affordable maintenance program includes a software upgrade path to ensure MAX CAD will continue to remain a state-of-the-art product after purchase.



### **Scalable to support consolidation, multi-jurisdiction and multi-agency deployments.**

MAX CAD integrates into the NG-911 environment and is future proofed to accommodate future consolidation through a scalable architecture with the ability to add more workstations and locations. MAX CAD also supports multi-jurisdiction and multi-agency workflows as the number of communities and agencies served by a PSAP increase.



### **Role based work assignment and incident management.**

Zetron's MAX CAD is optimized to allow CAD operator assignments based on roles and responsibilities. With screens that can be optimized to assigned roles, call takers can focus on the responsibility of answering and responding to emergency requests, while dispatchers can focus on the need to manage and respond to incident resources.

## MAX Mobile CAD

MAX Mobile CAD works with MAX 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 and call takers are viewing, which improves the effectiveness and accuracy of the emergency response.

## Features and Benefits



### **Easy access to incident details.**

MAX 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. incident resources.



### **Secure mobile solutions.**

MAX Mobile CAD utilizes standard encryption to ensure communications are secure.



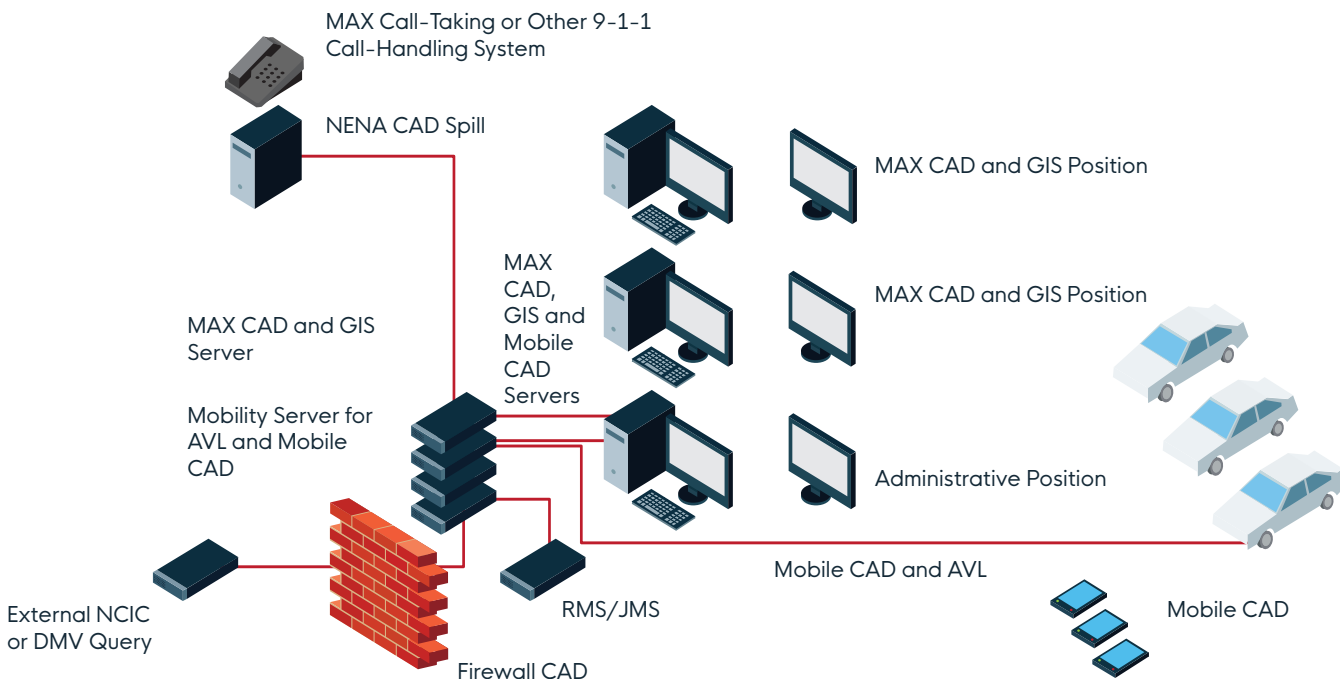
# MAX GIS

Zetron's ESRI-based GIS includes a map viewer, optional AVL module, and map-editing and publishing applications that improve GIS file management. MAX GIS can operate as a standalone map viewer that uses ANI/ALI information to display an active incident, or it can be integrated with an 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 a Zetron MAX Dispatch console to allow map-based vehicle dispatch.

## Features and Benefits

- **CAD and map integration.**  
MAX GIS is integrated with MAX CAD to allow dispatchers to create incidents and dispatch from the map. The map is integrated with the CAD database to provide location specific information such as prior incidents at the location.
- **AVL integration.**  
The MAX 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, MAX 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's MAX 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 integration.

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**ZETRON**

Always on, always ready.