

Citilog deploys real-time traffic AID system with FLDOT

Citilog (www.citilog.com), a leading provider of intelligent real time video monitoring and surveillance solutions for traffic, transportation, security, and safety management, says its VisioPaD product is deployed by Florida's Department of Transportation (FLDOT) District 5 to monitor rural areas of Interstate 95 (I-95). The deployment allows District 5 to automate traffic incident monitoring along I-95, freeing up staff to better monitor Interstate 4 within downtown Orlando, thus traffic incident monitoring and response times across the district are improved.

There are 60 digital video input (IP encoded video) cameras in use now covering a 100 mile span of I-95. There is also a plan to install an additional camera on Interstate 75 sometime in the future. The cameras use Citilog's VisioPaD solution, especially developed for Automatic Incident Detection (AID) and advanced video surveillance on highways, expressways, bridges, and tunnels. It integrates into District 5's SunGuide system for monitoring in use now.

District 5 monitors over 500 centerline miles of interstate, toll roads, and arterial roads in Central Florida. This is accomplished with five operators working at the Regional Traffic Management Center. "Deploying Citilog's VisioPaD solution will enable us to save time—approximately four hours per shift, 12 hours per day—through its comprehensive automated real time monitoring capabilities," commented Michael Smith, ITS Systems Manager for Florida DOT. "This time saved will therefore allow us to shift more resources to monitoring Interstate 4 within the downtown Orlando area, thus increasing our

overall traffic monitoring and incident response capabilities district-wide."

"Citilog's VisioPaD is a unique, state of the art video detection system," commented Harold Worrall, Chairman of Citilog who has also previously served as Executive Director of the Orlando-Orange County Expressway Authority. "The ability to adjust to weather conditions and dynamically recalibrate for camera adjustments will save money for Florida's DOT and the instant response will allow them to quickly respond to incidents on the heavily traveled I-95. I am delighted that Florida DOT, District Five has chosen VisioPaD."

This VisioPaD deployment was secured via Citilog's value added reseller (VAR) partner, Fortran. Based in Canada, Fortran is a leader in the North American traffic industry, providing totally integrated, turnkey transportation solutions. VisioPaD is designed to be efficiently integrated into any existing traffic management system. VisioPaD provides several integration and use advantages:

- No configuration required
- Automatic and dynamic calibration
- Adapts to pan-tilt-zoom (PTZ) and fixed cameras
- No preset position
- Field proven technology
- Compatible with IP and analog Closed Circuit Television (CCTV) Systems
- Integrated pre and post incident video recording
- Digital video recording

In addition, VisioPaD automatically adjusts to camera shifts, changes in the video feed, all weather conditions, and all traffic conditions to

maximize video clarity at all times of the day or night. Citilog's solutions enable state, county, and city resource managers to limit the losses from road traffic incidents, crimes, or unauthorized access, by providing real time automated incident detection. This also enables the possibility to deploy corrective measures sooner than with traditional monitoring to minimize losses from escalating incidents.

The video-based detection systems can be tailored to instantly identify and alert management about various incidents. Citilog's software-based systems use existing video signals from any CCTV, fixed, PTZ, analog, IP, and any other camera, thus requiring no new hardware or infrastructure additions. These video signals are fed into Citilog's video detection units that process video signals and create instant incident alarms with audible alerts and on-screen highlighting of the incident to enable rapid incident identification. This is critical at a time when the average traffic center has dozens to hundreds of video feeds to monitor—Citilog automatically monitors and detects incidents for them in real time.

Traffic management products also aid states, counties, and cities in their quest to reduce pollutant emissions, by ensuring fast recovery from an incident to get traffic flowing again. In addition, Citilog's video-based security monitoring solutions are ideal for protecting sensitive sites—such as bridges, railways, tunnels, and more—from criminal and/or terrorist threats, vandalism, and degradations to performance. All this is done by employing Citilog's advanced technology for instant video-based incident detection. For all products, video is recorded and can be stored for post analysis, audit trails, and safety performance measurements. Citilog provides a variety of solutions to meet varying traffic, safety, and security monitoring needs. **ITS**