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Advances & Applications

Advances & Applications

A D V A N C E S & A P P L I C A T I O N S

Where do the good ideas come from?

In this column, we offer our readers the opportunity to learn about — and benefit from — some of the cutting-edge technologies being implemented by law enforcement colleagues around the world.

Orlando Deploys Mobile Command Center Featuring ARINC Interoperability System

ARINC Inc. announces that Orange County, Florida, and the city of Orlando have taken delivery of a new mobile communications vehicle featuring the

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Photography courtesy of ARINC Inc.

AWINS radio interoperability system from ARINC.

Orlando's urban area command post, built by MBF Industries of Sanford, Florida, will connect day-to-day and emergency communications to serve the citizens of Orlando, Orange County, and the surrounding counties of Brevard, Lake,

Seminole, Osceola, and Volusia. AWINS is designed to link all types of emergency radio systems in use by public safety agencies. The new Florida vehicle is engineered to interconnect 13 different emergency radio systems, phone systems, and data networks used by Orlando, Orange County, and nearby jurisdictions.

Inside the custom-designed 45-foot command vehicle are nine computerized consoles where radio operators can monitor emergency messages and link separate local radio systems together with the click of a mouse. The system is designed to allow them to instantly connect police and fire personnel, law enforcement, county government, and national agencies to talk together as needed.

"We saw how much the first mobile AWINS system helped local emergency agencies and the National Guard after Hurricane Katrina in New Orleans," said Orange County Sheriff Kevin Beary. "That helped convince us AWINS interoperability would be a real asset here, both for day-to-day operations and for our next emergencies."

The AWINS vehicle used in the aftermath of Hurricane Katrina was funded by a grant from the U.S. Department of Homeland Security and operated by an emergency department from Anne Arundel County, Maryland. The Florida vehicle was funded by a DHS urban core grant awarded for the core city of Orlando and core county of Orange.

AWINS technology is designed to handle all types of modern communications, including land mobile radio, Voice over Internet Protocol telephone, cellular, live video, and satellite links. It is engineered to complement existing radio systems and infrastructures and give user communities the ability to communicate readily without sacrificing their current investments in radio equipment.

For more information, [click here](#), and insert number 201 in the box on the Reader Service Number

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Florida County Partners with Communications International to Install Radio System

Communications International Inc. announces that the company has been awarded a contract by Flagler County, Florida, to install an 800-megahertz public safety radio communications system. The five-site seven-channel digital trunked system is designed to be interoperable with the Florida's Statewide Law Enforcement Radio System (SLERS), which provides direct interoperability with adjoining counties, including Volusia and Palm Coast. The project began in August 2005 and is scheduled for completion at the end of June 2006.

"As the catastrophic events around the nation of the past year have proven, the proper design, installation and maintenance of a public safety radio communications system is crucial for first-responders around the country and especially in Flagler County," said Doug Wright, emergency services director for Flagler County. "We are enthusiastic to embark on this project with the experienced designers, technicians, and service personnel of CII as we work together to provide the residents of Flagler County with the best radio communications tools and services available and in time for the next hurricane season."

CII will install and maintain the M/A-Com's EDACS digital radio system in Flagler County. EDACS carries voice and data on a single system platform. ProVoice digital technology is designed to combine the functionality and reliability of EDACS with state-of-the-art voice coding techniques to provide the best possible audio quality and security in two-way radio systems.

The implementation of the environmentally friendly Flagler County project requires the development of only two new tower sites, both in Bunnell, Florida. The first is a 100-foot monopole tower at the new Flagler County emergency operations center and a second guyed tower replacing an existing older tower at the Flagler County sheriff's operations center. The remaining four sites are to be constructed at existing tower locations throughout Flagler County.

For more information, [click here](#), and insert number 202 in the box on the Reader Service Number response service.

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