

PRESS RELEASE

For: Immediate Release

Date: January 12th, 2005

Contact: Lieutenant Barry Swanson- JPD
Professional Standards and Policy Development- 716-483-7783

Lieutenant Todd Isaacson- JPD
Investigative Section Commander – 716-483-7570

Matt Hanley- Executive Assistant to the Mayor - 716-483 7797
City of Jamestown- hanley@cityofjamestownny.com

Board of Public Utilities
Chris Rodgers- Project Engineer- 716-661-1643
Sue Jones- Communications Coordinator- 716-661-1666
sjones@jamestownbpu.com

Scott Green- Tropos Networks
650-679-9044 teamgreen@rcn.com



TROPOS

networks

Mayor Sam Teresi, Police Chief and Public Safety Director William MacLaughlin, and Board of Public Utilities General Manager Wally Haase made a joint announcement during an “unwiring” ceremony today that the City of Jamestown has utilized grant funding to create a wireless fidelity (Wi-Fi) network, or “hot zone”, for public safety communications.

The City has contracted with Tropos Networks -- the leading supplier of equipment used to build metro-scale broadband networks -- to construct a WI-FI network and become the first municipality in New York State to establish a 100% wireless public safety communications system.

Mayor Teresi stated, “Today, we have effectively unwired our downtown area using Tropos Wi-Fi equipment. We plan to use the newly-formed Wi-Fi network to improve public safety, increase the productivity of our city workers out in the field.”

Teresi added, “The City of Jamestown is the first municipality in New York State to utilize this newest technology known as Wi-Fi for public safety communications. We have been able to deployed this technology without expense to the local taxpayers of the community by utilizing money allocated in the 2002 COPS MORE Grant, which was acquired through the Jamestown Police Department”.

“The Tropos Wi-Fi network in downtown Jamestown extends to workers in the field access to multiple, secure databases that were previously restricted to use in the police headquarters,” said William R. MacLaughlin, Director of Public Safety for the City of Jamestown. “Police Officers now have at their fingertips broadband access to critical information such as local records, mug shot photo displays, the sex offender database and other sensitive databases.”

“From anywhere in the ‘hot zone’, public safety personnel now have the means to access critical databases and view live security camera video feeds on their computers in their vehicles,” said co-coordinator Barry Swanson, JPD Lieutenant. “As a result, officers can remain in the City’s patrol zones providing needed protection and increasing productivity while accessing this broadband network.”

In this first phase of the deployment, the city plans to use the Wi-Fi network to enable police and fire department professionals to have mobile access from laptops and Personal Digital Assistants (PDA's) in the field to critical information such as photo array databases, the New York State Police Information Network (NYSPIN), pre-planned fire databases, and more.

After the public safety network is fully implemented, use of the network will be extended to other city agencies, including the Board of Public Utilities, Department of Development, Department of Public Works, Housing Inspectors, Court and City Hall Security and other city government to enhance productivity to the public.

“With assistance from the Board of Public Utilities we were able to get the network installed in only two weeks to test for public safety” said co-coordinator Todd Isaacson, JPD Lieutenant. “We chose Tropos for several reasons that were critical in building a public safety and municipal wireless network: time, cost of equipment and management, and security. The area topography with the rolling hills and foliage were challenging obstacles for technology which Tropos Networks easily addressed, covering the area with significant bandwidth.”

“We found the Tropos equipment quick and easy to install and the software features made for easy setup and configuration,” said BPU Project engineer Chris Rodgers.

“We are pleased that Jamestown selected Tropos to help improve the security of the City of Jamestown and improve the BPU, and municipal workers' productivity,” said Bert Williams, Vice President of marketing for Tropos Networks. “Across the country, we are seeing the demand for Tropos-powered wireless networks in our cities and towns. Jamestown is a wonderful example and application of how we are taking metro-scale Wi-Fi mainstream and helping cities improve the quality of life for their workers and residents.”

The second phase of the Wi-Fi network deployment will partner with the Jamestown Public School system in improving school security around the Jamestown Community Middle Schools. “This second phase of the Wi-Fi network is a collaboration of both the Jamestown Public Schools and the Jamestown Police Departments acquisition of a Secure Our Schools (S.O.S.)

federal grant that is assisting with this expansion”, said Lt. Paul Abbott of the Jamestown Police Department.

The Jamestown network Configuration

The City of Jamestown installed and built the downtown network using a combination of Tropos 5110 outdoor Wi-Fi cells and Tropos 3110 indoor Wi-Fi cells that are based on the 802.11 standard. The Tropos Wi-Fi cells quickly and economically use the intelligent Tropos Predictive Wireless Protocol (PWRP) to provide pervasive coverage over the downtown area.

The Tropos PWRP routes traffic wirelessly, eliminating up to 95% of the wired backhaul associated with traditional access point solutions. Tropos Wi-Fi cells form a wireless mesh, dynamically routing traffic along the highest throughput path to a wired gateway. This intelligent routing negates effects of radio frequency (RF) interference, wired backhaul failure and node failure. PWRP also scales to thousands of nodes with the lowest routing overhead in the industry. Network support costs are minimized via the central management capabilities of the Tropos Control Element Manager, a configuration, monitoring and maintenance tool.

Tropos Wi-Fi mesh networking systems are used for a variety of public Internet access and mission critical applications including public safety; database access; residential, business and mobile user internet access; video surveillance and automated meter reading, to name a few.

About Tropos Networks, Inc.

Tropos Networks, Inc. is the leading supplier of systems used to build metro-scale, outdoor Wi-Fi networks. Tropos’ unique Wi-Fi cells, along with the first element manager to control large Wi-Fi networks, enable public agencies and service providers to deliver ubiquitous, citywide mobile broadband to users in any locale. These carrier-class IP networks are low cost and easy to install and scale. The Tropos cellular mesh architecture and use of optimized open-standard radios dramatically reduce the need for wired backhaul while eliminating expensive proprietary clients and complex software. Using the patented Predictive Wireless Routing Protocol, Tropos solutions deliver maximum bandwidth to the user regardless of conditions, at unprecedented Wi-Fi network scale. Tropos Networks is headquartered in Sunnyvale, California. www.tropos.com
