

Building Greener, Safer, Smarter Communities

Around the world, Tropus Networks leads the way in helping cities increase the efficiencies of municipal services, reduce operating costs and improve communications. Tropus MetroMesh™ has helped deliver the benefits of outdoor wireless IP broadband to over 750 cities worldwide, enabling them to use a single network for multiple municipal applications. We can share our success stories with you, and work with you to make your community Greener, Safer, and Smarter.



Automated Meter Reading (AMR) /
Automated Metering Infrastructure (AMI)

Greener

Smart Meters for water, gas, and electric enable centralized monitoring and management of meters; reduce operational costs; improve meter reading accuracy; and facilitate faster and more accurate identification and pinpointing of problems.

Tropus Customers

- Anderson, Indiana expects to save \$18 million over the next 15 years with their AMR/AMI system for water and electricity.
- Corpus Christi, Texas expects to save \$30 million over the next 20 years with their AMR/AMI system for gas and water.

Improving traffic flow, reducing vehicle emissions, and synchronizing the timing of traffic signals to prioritize traffic for public transportation and emergency vehicles, are just a few of the application and benefits of an ITS system. Video applications can be added to the network for traffic observation as well as use by public safety.



Intelligent Transportation Systems (ITS)

Tropus Customers

- Tucson, Arizona gathers real-time information on traffic and pedestrian activity in order to optimize traffic light settings for various days and times. The city saves \$200,000 per year in telecommunication fees vs lease lines.
- Edmonton, Alberta helps buses to keep on schedule by using priority request generators on the buses; traffic lights at intersections are alerted when a bus is approaching so that the lights can be changed to allow the bus through quickly.



Public Safety

Safer

For mobile police, fire, and emergency medical service workers, fast access and response is critical and can mean the difference between life and death. The ability to quickly access information and communicate from the field to other public safety personnel is crucial. Video cameras can be accessed by mobile personnel enabling them to view a situation before they arrive.

Tropos Customers

- Ponca City, Oklahoma has increased the efficiencies of its police officers, enabling them to spend significantly more time in the community rather than at the precinct.
- In Tucson, Arizona, a telemedicine system delivers live video, voice and patient vital information to emergency room doctors while patients are en route, enabling doctors to gain advance knowledge about a patient's condition.

Smarter

City after city is showing that productivity increases when public employees are able to access the same electronic resources from the field as they can in the office. A wireless broadband network allows employees to increase effectiveness by providing access to the applications and information they need to get their job done efficiently – wherever they are, without returning to their office. Cities use Tropos to enable mobile workers to file paperwork, obtain updated schedules, access information such as street maps, building plans, permits, building codes, and more...



Mobile Workers

Tropos Customers

- Oklahoma City, Oklahoma building inspectors submit inspection reports from the field, often enabling same-day approvals, speeding construction project completion and reducing costs.
- St. Cloud, Florida is issuing work orders directly to crews in the field, saving them from returning to the city yard to get their next assignment.

Tropos – Building a Community Foundation

Cities around the world are recognizing that a wireless IP broadband network is a cost-effective foundation upon which they can securely build multiple applications that benefit their community and improve the quality of life. To learn more about how Tropos MetroMesh can be used to help you build a Greener, Safer, Smarter Community, please contact us.



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