

Mobile workforce automation



Benefits

- Reduces operating costs and time spent in transit to/from office
- Tracking of vehicles enables dispatch of closest workers to an incident or service call
- Ability to access data and file reports from the field improves worker productivity and flow of business

Tropos technology differentiators

- Performance – multi-megabit capacity, low latency
- Security – layered, military-grade security; VPN support
- Mobility – seamless roaming across entire coverage area
- Reliability – mesh architecture creates redundant paths; patented routing algorithms increase resiliency
- Scalability – can be used across 10s, 100s, and 1000s of square miles
- Management – most comprehensive configuration, analysis, and reporting

With up to 35% of the worldwide workforce, and 50% or more of municipal workers, being mobile, network access from the field is fast becoming an indispensable part of increasing the efficiency of business and city operations. Internet connectivity enables secure access to centralized information, and the ability to file reports from the field, in real-time, improving the flow of day-today business.

Increasing mobile worker efficiency

As businesses and communities look to deliver responsive, high quality services, they are striving to meet demand but often are resource constrained. While increasing mobile worker efficiency by providing on-demand information in the field, a Tropos network also decreases operational costs. Planners are increasingly aware that access to a mobile wireless broadband network will greatly contribute to efficient operation. Typical field access applications include access to centralized databases, Internet resources, download of data or video files and synchronization of work orders. Field workers can connect to the network with any Wi-Fi device — laptop or handheld.

“... It will enable municipal employees to work in the field without having to return to an office to use traditional landlines to complete their tasks... Houston’s workforce will be more productive.”

Bill White
Mayor of Houston, Texas

Key benefits of mobile workforce applications over a Tropos wireless IP broadband network

- Inspectors can file reports and access data while on-site, speeding the approval process
- Planners can access building blueprints and zoning plans while in the field, saving expensive drive time and cost
- Central dispatch can schedule tasks, track status and changes to schedule for mobile workers, increasing efficiencies and improving customer service

Multi-use network

Tropos wireless IP broadband networks provide a reliable and secure foundation for delivery of multiple simultaneous applications on the same cost-effective infrastructure. In addition to mobile worker applications, a single network can be designed to support a range of municipal services.

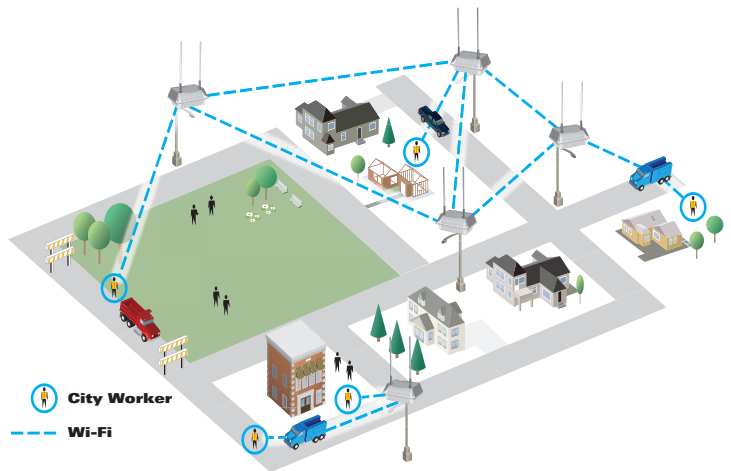
- Automated utility meter reading — remote monitoring of water, electric and gas meters, providing fast alerts to problems and accurate meter readings in real time
- Mobile public safety — enabling police, fire and emergency service personnel to effectively communicate and obtain real time video and data information from the field
- Intelligent transportation systems — replaces costly leased lines to traffic signals; offers the bandwidth to support signal management, video, red light runner monitoring, etc.

Mobile workforce network building blocks

High powered Tropos routers installed on street furniture can blanket an area with wireless coverage. The network offers connections to any standard Wi-Fi enabled wireless device. Tropos also offers mobile routers, which are installed in vehicles to extend the network's range and coverage.

Built with reliability and security in mind, Tropos networks can operate in the 5 GHz and 2.4 GHz frequency bands. Industry leading routing algorithms allow for simultaneous dual paths in the network which delivers network reliability, path redundancy and fault tolerance.

Customers using Tropos mesh networks today to improve mobile worker efficiencies include: Oklahoma City, OK; Lafayette, LA; Rock Hill, SC



Tropos Mobile Workforce Network

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