

Corporate Overview

GREENER, SAFER, SMARTER

Tropos Networks is the worldwide market leader in broadband IP mesh networks used to build greener, safer, smarter utilities and communities. Its solutions are used as regional communication foundations for deploying aggregating multiple high-value applications that cost effectively increase efficiencies and reduce operational costs. Tropos delivers the highest levels of reliability, scalability, and security in the industry. Founded in 2000, Tropos Networks is headquartered in Sunnyvale, California.

Customers

Tropos has an installed base of more than 750 customers in over 30 countries around the world.

Smart Grid

Smart Grid customers utilize Tropos for building distribution area networks for smart grid communications. One of the key components of a smart grid is an IP broadband network that creates a reliable base upon which multiple demanding smart grid applications including automated metering infrastructure (AMI), distribution automation, demand response, and substation security can be deployed.

Smart Cities

Smart Cities utilize Tropos to create a wireless broadband communication infrastructure for operating a wide range of municipal applications. On average, 50-70% of city workers are mobile (public safety, building inspectors, animal control,...). Enabling them with broadband access in the field has proven to increase worker efficiencies, provide cost savings and reduce vehicle emissions. In addition, Tropos can be used for machine-to-machine applications that improve operational efficiencies such as, intelligent transportation systems (ITS) and utility meter reading (water/gas/electric).

Products

Tropos products are based upon the Tropos System Architecture which utilizes industry standards and is a decentralized, highly flexible approach. Each Tropos router makes coordinated intelligent routing and airtime management decisions in real-time, maximizing bandwidth and system performance by eliminating the latency and overhead associated with a centralized architecture. It eliminates single points of failure by automatically rerouting traffic around problems, minimizing downtime. Multi-layer standards-based security protects the network, data and users, and Tropos products are FIPS 140-2 certified. The Tropos System Architecture easily scales from tens to hundreds and even thousands of routers participating in a single mesh network with fixed and mobile nodes. Tropos has been granted 30 patents and has an additional 29 pending.



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Routers

Tropos' wireless IP broadband routers combine the industry's most sophisticated mesh networking intelligence with purpose-built hardware. Each router includes one or more open-standards-based 802.11 a/b/g/n radios optimized for outdoor usage. The router enclosures are ruggedized and weatherized to withstand extreme weather conditions. Fixed and mobile nodes are available and can be mixed on a single network to create a mesh with dynamic coverage areas.

Tropos Mesh OS

The Tropos Mesh OS ships as an integral part of each Tropos router and was designed from the ground up to optimize throughput and reliability in a dynamic outdoor wireless environment. The Tropos Mesh OS creates a self-organizing and self-healing wireless mesh network and intelligently selects the optimum path through the mesh. It leverages the router's on-board intelligence to monitor and maximize performance, minimizes network congestion and adapts in real-time basis to changes common in an outdoor network environment.

Network Management

Tropos' network management solutions are designed to provide network administrators with the visibility, data, analysis, and reports for all aspects of management, monitoring and controlling a Tropos wireless broadband network. It is a powerful control and analysis tool, enabling network administrators to perform a range of critical functions to configure, monitor and operate the network. This includes over-the-air configuration and software updates of Tropos mesh routers; real-time end-to-end network performance monitoring and statistical capture; data mining, trend analysis and client connectivity monitoring.

Investors

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Boston Millennia Partners
Cipio Partners
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Hanna Ventures
Integral Capital Partners
Voyager Capital

Board of Directors

David Hanna, Hanna Ventures, Chairman
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Management

Tom Ayers – President and CEO
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John Eichhorn – CFO
Tom Van Denver - Sr. Vice President Worldwide Sales
Mike Bailey – Vice President Engineering and Operations
Rob Pilgrim – Vice President Business and Corporate Development
Andy Balaschak - Director Product Management
Denise Barton – Director Marketing
Cyrus Behroozi – Chief Scientist

Advisory Board

Reed Hundt, Former Chairman, FCC



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