

## ABB Announces Tropos 1410-HAZ Wireless Bridge and Mesh Router

**Designed for field automation applications, the Tropos 1410-HAZ is certified for use in hazardous locations**

**Sunnyvale, CA, August 7, 2012** – ABB, the leading power and automation technology group, today announced the Tropos 1410-HAZ wireless mesh router and wireless bridge. Designed to provide wireless communications for field automation applications, the Tropos 1410-HAZ is certified for use in Class I, Division 2 (US) and Class I, Zone 2 (US and Canada) hazardous locations. The certification allows the Tropos® 1410-HAZ to be deployed in locations such as the wellheads of oil and gas wells, oil and natural gas storage and processing facilities, refineries, chemical production facilities, waste water and water treatment plants, and pulp and paper plants.

Class I, Division 2 (CID2) and Class I, Zone 2 hazardous locations are areas where – under abnormal conditions such as leaks – fire or explosion hazards may exist due to flammable gases, vapors or liquids. Electrical equipment used in hazardous locations must be designed and tested to verify that it will not cause an explosion due to sparking or high surface temperature.

Tropos 1410 wireless mesh routers and wireless bridges create secure, IP-based field area communication networks serving thousands of automation endpoints such as intelligent electrical devices, industrial process controllers and SCADA devices. The product line's integrated firewall and VPN extend enterprise-class security to legacy devices installed in the field that have lacked state-of-the-art security technology. In addition, the Tropos 1410 can be centrally managed by the Tropos Control wireless network management application.

Oil and gas, mining, utilities and other industries are increasingly using wireless mesh communications networks to monitor and control assets in the field as well as large outdoor facilities. These field area networks support a diverse set of applications including automated metering infrastructure and distribution automation for utilities; telemetry and mining management systems for mining; wellhead monitoring and logging for oil and gas; traffic signal management and video monitoring for transportation; process control for refining and chemicals; and SCADA for a wide variety of vertical markets. The Tropos 1410-HAZ extends the application reach of the Tropos 1410 product line, allowing installation in potentially hazardous locations such as oil and gas wellheads for flow measurement and control, storage tanks for level sensing, natural gas gathering sites for gas composition and quality analysis, refineries and other industrial sites for video surveillance and pipelines for flow measurement, among others.

The Tropos 1410-HAZ comes in a ruggedized, weatherized enclosure suitable for use in extreme outdoor environments. ABB will begin accepting orders for Tropos 1410-HAZ wireless bridges and mesh routers on August 8, 2012.

“The Tropos 1410-HAZ brings broadband wireless communications to potentially hazardous areas of large, outdoor industrial facilities, supporting current applications while providing the foundation for future field automation applications such as the digital oilfield,” said Andy Balaschak, product management director for ABB's Tropos product line. “In addition to increasing operational efficiency, the Tropos 1410-HAZ enhances industrial safety by enabling communications with monitoring and safety equipment, increasing situational awareness and operational control in hazardous environments.”

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 147,000 people. The company's North American operations, headquartered in Cary, North Carolina, employ about 27,000 people in multiple manufacturing, service and other major facilities.

# Press Release



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