AeroScout Location-Based Context-Aware Mobility Manufacturing Solutions

EXECUTIVE SUMMARY

Partner Designation
· Cisco® Technology Developer Partner

Associated Cisco Solution
· Cisco Unified Communications: Unified Wireless
· Cisco Wi-Fi Asset Tracking solution

Customer Benefits
· Reducing cycle times and increasing production throughput
· Increasing visibility of work in progress to drive production efficiency
· Tracking inventory and containers, enabling lean manufacturing
· Improving communication and information flow with supply chain and partners, for improved business process efficiencies
· Lowering costs by better utilizing equipment, reducing theft and loss
· Increasing quality by reducing manual and processing errors and enforcing preventive maintenance
· Improving safety by precisely controlling the movement of hazardous materials and locating employees under dangerous conditions or during times of emergencies

Targeted Industries
· Manufacturing; Aerospace, Automotive, Semiconductor, Mining, Oil and Gas

Geographical Regions Served
· Global

Partner Overview

AeroScout is a market leader for enterprise visibility solutions based on Wi-Fi and other wireless networking standards. The AeroScout Visibility System utilizes the power of innovative positioning technology to benefit businesses through real-time location system (RTLS), active radio-frequency identification (RFID), and telemetry. Partnerships with Cisco, IBM Global Services, and other leading technology providers have brought AeroScout solutions to more than 200 customers, including manufacturing companies in automotive, aerospace, semiconductor, and other industries.

Partner Solution Description

Within today's manufacturing environments, tracking assets and people is crucial for promoting efficiencies in business processes and ultimately reducing costs and time to market. The AeroScout Visibility System accurately locates and tracks valuable assets such as equipment or people. By operating over Cisco® Unified Wireless networks, AeroScout solutions minimize the incremental cost for the communications network and enable greatly enhanced visibility throughout the enterprise. The solution can scale to include tens of thousands of tags, without affecting other traffic on the network.

The AeroScout Visibility System allows companies to better manage everyday tasks and, therefore, save time and costs, improve productivity, minimize mistakes, and simplify operations. Safety can be more effectively managed by precisely controlling the movement of dangerous materials or instantly locating employees in hazardous environments. More agile work environments also result from accurate location and enhanced asset

AeroScout®

management. The joint AeroScout and Cisco solution specifically improves inventory tracking by quickly locating finished goods and other valuable assets. Alerts can be generated based on triggered events such as movement, proximity, time stamps, or other factors. By improving enterprise-level visibility of assets, manufacturers gain reductions in cycle time and improved overall efficiency.

Core Components of the Partner Solution

Each solution includes:

· AeroScout Wi-Fi-based active RFID tags: Track any designated assets and transmit the information to a Cisco Unified Wireless network. The small tags are rugged and offer long battery life, as well as a host of advanced features such as telemetry, call buttons, and tamper proofing.

· AeroScout MobileView software: This business application layer correlates tracked assets to manufacturing processes. A Web browser interface simplifies use at all points in the workflow: tracking assets; providing alerts relating to significant events on the production floor; managing the business processes; integrating within the existing IT landscape (including ERP, MES, home-grown systems, and others); and reporting on asset utilization, production progress, inventory status and more.

In addition, rugged and intrinsically safe solutions are available for a variety of environments.

Related Cisco Products

· Cisco Mobility Services Engine (MSE) and the 2710 Appliance

· Cisco Wireless Control System (WCS)

· Lightweight Access Point Protocol Controller

· Aironet® Access Points

Related Partner Information

· Manufacturing flash demo:
  http://www.aeroscout.com/data/uploads/start_1.swf

· Time and cost savings from real-time asset visibility:
  http://www.aeroscout.com/content.asp?page=Manufacturing

For More Information

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