



Cisco Smart+Connected Manufacturing

Supply Chain Agility

Adapt your supply chain to changing markets

Cisco Smart+Connected Manufacturing

Cisco® Smart+Connected Manufacturing solutions provide intelligent, timely information and collaboration in context to transform manufacturing businesses through continuous innovation, a differentiated customer experience, supply chain agility, and operations excellence. Close interrelationships between these areas mean investments in one area drive further improvements in the others. The result is more efficient operations with successful new products and loyal customers that drive higher revenue and sustainable competitive advantage.

Supply Chain Agility

Communication and information are crucial to an efficient supply chain. Securely extending access and visibility throughout the supply chain enables an integrated workflow that promotes innovation, efficiency, and collaboration and decreases business risk. The agile supply chain is market-driven, with faster development and product or service introduction cycles.

A borderless network allows information and decisions to flow through the supply chain and organization quickly for immediate response to market demands. The result is better control, reduction of excess inventory and logistics costs, increased responsiveness to customer needs or sudden changes in demand, and better business decisions. Cisco Smart+Connected Manufacturing solutions bring together capabilities such as Cisco Unified Communications, industrial Ethernet connectivity, and wireless mobility to easily and securely connect suppliers, partners, and customers.

Cisco Supply Chain Agility Solutions Key Benefits

- Adapt your supply chain to changing markets in real time
- Improve efficiency and reduce costly errors
- Reduce costs by decreasing idle time
- Reduce disruptions and shorten duration from weeks to hours
- Share information securely and easily across a global supplier network
- Improve and accelerate decision-making and manage risk
- Align the value chain to meet and exceed customer requests
- Reduce transit times and logistics costs
- Take full advantage of low-cost emerging markets
- Reduce transit times and logistics costs

“With globalization comes an increasing need for collaboration. We wanted to build a network infrastructure that would not only support our day-to-day operations, but would also be the secure foundation on which to build the new services that our employees need.”

—Erich Seher, Chief Information Officer, Voith Paper

Smart+Connected Manufacturing Supply Chain Agility Case Studies

Cisco

Challenge: Globally dispersed personnel and suppliers, with more frequent re-planning cycles the number of products developed with customer and partner input

Solution: Cisco TelePresence™ conferencing

Result: Simplified planning process, more than 98 percent of shipments now made on time, inventory turns increased 3.5x

Puma

Challenge: Paper-based system for picking didn't support growth

Solution: Cisco Secure Wireless Network and Intermec Handheld Computers

Result: 99 percent pick accuracy rate, improved productivity due to fewer stockouts, increased customer satisfaction

Coca-Cola Enterprises

Challenge: Inaccurate order picking and resulting loss of customer satisfaction

Solution: Cisco Warehouse Unified Communications VoIP Picking

Result: Picking accuracy increased to 99.8 percent, worker productivity was enhanced by 10 percent, training time minimized working partnerships by improving information delivery across continents

Faster Time to Market for New Products and Product Changes

Product lifecycles are being compressed and market needs are changing quickly. To gain competitive advantage, your supply chain must be integrated into workflows to design and introduce new products and process engineering change orders. With Cisco Smart+Connected Manufacturing solutions, suppliers are quickly and securely brought into design and planning decisions. A borderless network and next-generation collaboration platform allow suppliers to be an integral part of the creative process, improving time to market of new products and processing changes more quickly with less wasted inventory.

“Given a 4-fold increase in SKU count and increased order complexity, plus the incentive to leverage ASN programs, we wanted to drive order accuracy to 99.8 percent or better. We were successful by leveraging voice for order fulfillment processes, equipping our workers with wireless IP phones and giving them real-time connectivity to our enterprise systems. We expect to leverage these same voice technologies into other operational areas of our business, for mobile workers both inside and outside the four walls.”

—Mike Jacks, Senior Manager
Logistics & Transportation, CCE Business
Information Systems, Coca-Cola Enterprises



Improved Material Flow and Logistics

The manufacturing value chain has become fragmented by globalization and rapidly changing markets. In this environment, tracking and controlling the flow of materials between suppliers, into the factory, and

out to customers is critically important. Using Cisco Smart+Connected Manufacturing solutions, companies can track the flow of materials in real time; more accurately assess the impact of quality issues, logistics delays, and engineering changes; and make better decisions that reduce waste and costs. Cisco solutions integrate into transportation, ERP, and MES applications to alert personnel to issues and enable instant collaboration for fast resolution.

Smart+Connected Manufacturing Supply Chain Agility Solutions and Services

Solutions

Collaboration

Cisco Unified Communications for Manufacturing
Cisco Unified Communications Voice Picking for Manufacturing
Cisco TelePresence for Manufacturing
Cisco WebEx

Borderless Networks

Warehouse Management Mobility
Context-Aware Solutions for Manufacturing
Secure Remote Access
Connected Supply Chain

Virtualization

Distributed Research and Development

Services

SONA RFID Services
Cisco Business Transformation Optimization Services

More Accurate Planning

Global markets don't always move in sync, and customer demand changes quickly. As a result, re-planning is a way of life. However, accurate planning has become much more complicated due to globally dispersed teams, suppliers, and manufacturing plants. Cisco Smart+Connected Manufacturing solutions provide your employees with the information they need in context. Now your employees can locate people and assets and determine their condition day or night. They can also access experts in real time, and utilize a collaboration platform to make better planning decisions, improve accuracy and efficiency, and reduce costs across the supply chain.

For more information, please go to www.cisco.com/go/manufacturing



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