



# Cisco Solutions for Consumer Packaged Goods

## Flexibility to Act Now

A canned soda plant frequently experiences downtimes at a specific location on the production line. But it's difficult to monitor the location continuously to identify the cause, and the downtime is costly.

Recently, the company installed an integrated Cisco® network with a specific solution for the consumer packaged goods (CPG) and food and beverage (F&B) industry. Now, the plant manager spends a few minutes installing a video camera on the production line where the downtimes occur. Automatically provisioned into the Cisco network, the camera monitors the line for a day, identifies the fault, and enables quick repair. Downtime is eliminated.

At a baked goods factory, executives are challenged on product quality – pastries are crumbling in the package. Using Radio Frequency Identification (RFID) tracking and digitized data, managers trace the affected production run, identify the problem (a bad flour supply), and resolve the issue.

Cisco solutions for the CPG and F&B industries are transforming how manufacturers solve problems, remain competitive, and achieve margin. These solutions enable the virtualized, collaborative plant and implement the Internet of Everything (IoE). This visionary concept unifies every device, system, and data center in the company on a single powerful network.

“We evaluated five platforms, and chose a Cisco solution because of its flexibility and broad functionality.”

– **Dennis Tokarski**, Manager of Telecommunications and Network Operations, Del Monte

## CPG and the Industrial Internet of Things

Rapid changes are confronting CPG companies. These include the spectacular growth of social media and mobile technologies, along with the need to win mindshare in both physical and digital environments. The ability to harness big data is becoming a key tool in helping leading companies to meet these challenges.

“Cisco... has been a valuable partner to us, helping us connect technology and collaboration tools with a comprehensive communications strategy for our business leaders to engage with employees in a more meaningful way and drive efficiency and effectiveness throughout the company.”

– **CPG Customer**, Director of Collaboration and Social Media Development

In addition, brand development cycles have accelerated. To keep pace, all aspects of manufacturing, from new product introductions to extending the value chain, must also speed up.

Key issues that must be addressed:

- Quickly resolving issues that cause production line downtime
- Accurately tracking products and raw materials
- Reducing manual processes

With the growing investment in industrial Ethernet, well over half of all manufacturers plan to migrate to a more virtualized, collaborative plant in the next two years. With the industry already being transformed by new technologies based on industrial Ethernet, the entire factory can now be connected. From control systems to enterprise networks and thousands of devices, industrial networking based on the IoE offers cost-efficiencies and new capabilities for manufacturers



## Case Study

### Leading Brewery Manufacturer

**Challenge:** Assure consistent product quality across a large, complex environment of 19 North American breweries.

**Solution:** A Cisco-based, simplified, integrated network architecture with easy remote management and scalability to new bottling plants.

**Results:** Better visibility to data collected from up to 10 billion data points; virtualized management, scalability, and redundancy as well as a fully integrated network with supply chain partners.

## Cisco CPG and F&B Solutions

Cisco delivers a portfolio of CPG and F&B industry solutions that provide connectivity, support innovation, and enhance plant operations. Based on the open-standards Cisco Industrial Ethernet network, these technologies help you meet new standards of performance, flexibility, and compliance.

**Smart Manufacturing** – Today’s manufacturers are looking for improved effectiveness on the production line and traceability through the supply chain. Cisco offers solutions that support continuous uptime on the production line through video and sensor-based monitoring and analytics. Our mobility and collaboration capabilities accelerate decision making – right on the plant floor. Cisco also supports plant virtualization, RFID tracking, and digital information solutions; and partner solutions for the warehouse.

**Connected, Smart Consumer Insight** – CPG and F&B firms can boost sales by developing closer relationships with consumers to guide product development. Cisco supports consumer research in the data center and with powerful video collaboration to help companies build an understanding of customer requirements and more accurately target products to the market.

**Remote Co-Creation** – Based on this consumer information, CPG companies need to be able to rapidly create new prototypes without company restructuring. Based on Cisco collaboration technologies, manufacturers can stimulate a more open innovation culture that connects experts and developers in a dynamic, virtual R&D infrastructure.

**The Future of Work** – As they expand into global markets, manufacturers have an opportunity to change how employees work to increase productivity, grow revenues, and lower costs. Cisco hosted collaboration and mobility technologies enable agile, flexible deployment into these new sites, based on highly secure mobile and wireless applications to meet the needs of rapidly changing environments



Cisco solutions give CPG and F&B manufacturers the ability to:

- Support faster, more innovative product development.
- Enable new levels of consumer-led sales and marketing.
- Provide connectivity across the supply chain.
- Improve employee productivity through better collaboration and compliance.
- Offer secure, reliable operational platforms to underlie the entire solution.

## Why Cisco?

Cisco is a leading provider of solutions to manufacturers around the world. Through our industry partnerships and world-class networking architectures, our solutions can help you achieve profitability, better supply chain agility, and regulatory compliance. To learn more about Cisco CPG and F&B offerings, contact your Cisco representative.

Also visit [cisco.com/go/cpg](http://cisco.com/go/cpg)