

# Prepare food and beverage operations for the future with Cisco and Rockwell Automation



## Market pressures put productivity and profitability at risk

- Varying market demands
- Rapid production changes
- Demand for cost-effectiveness
- Complex supply chain
- Security threats and attacks
- Policy standards and compliance

Food and beverage producers are embracing modernization of their industrial operations as the way to address these challenges.

## Pain points that Cisco and Rockwell Automation are solving for

- Adoption of security standards and best practices
- Personnel need to be skilled in using modern solutions
- Legacy systems and technology are difficult to maintain
- Challenge integrating future-looking technology

A simplified modern solution is required to provide end-to-end visibility, security, and control across OT and IT assets.

## Together, Cisco and Rockwell Automation can help with a holistic blueprint for your digital transformation

- Deploy a converged network architecture that makes networks data-ready
- Collect and analyze network data to get ahead of the maintenance curve, keep systems secure, and accelerate responsiveness
- Increase profitability



**87%** of manufacturing executives report that aging infrastructure impacts their operations <sup>1</sup>



**28%** of manufacturing organizations reporting a loss of revenue due to security incidents <sup>2</sup>

## Why Cisco and Rockwell Automation?

Leading digital transformation for The Connected Enterprise with industrial ready, world-class control, power and information systems and IT networking and security technologies



### Trusted domain experts with a strategic alliance

- 13+ years of experience together
- Jointly developed and validated IIoT and IT-OT solutions



### Committed to driving industry success

- Workforce training and enablement
- Leader in technology and industry standards



### Dedicated to developing ground-breaking solutions

- Versatile and future-ready solutions
- Products that are easy to deploy and manage

Prepare food and beverage operations for the future with the Converged Plantwide Ethernet Solution (CPwE), network architectures from Cisco and Rockwell Automation that connects production systems to business systems.

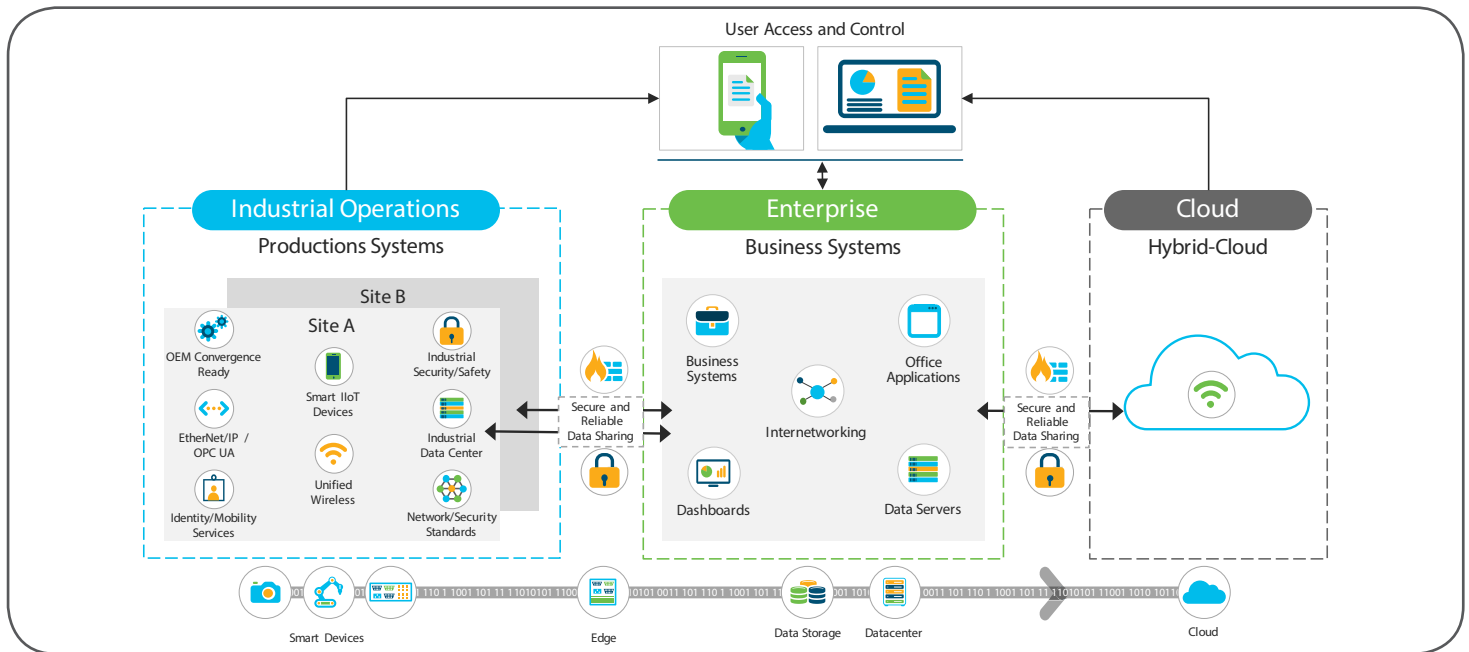


Figure 1: CPwE Architecture Diagram

## Benefits



### Flexibility and visibility

A modern infrastructure can provide insight across lines / plants



### Optimize production yield

Drive greater production efficiencies by connecting operational and business systems for end-to-end visibility and control of industrial operations



### Minimize risk

Protect physical and network assets, intellectual property, and workers with a comprehensive security and safety architecture

## Key Features

### Connectivity

- Incorporate a breadth of hardware and software offerings for a holistic, end-to-end network and security architecture
- Connect industrial operations to business systems using Ethernet/IP™, Stratix® industrial switch, and Catalyst switch lines to enable extensive interconnectivity and interoperability

### Scalability and Manageability

- Flexibility to seamlessly add new machines or lines as your business grows
- Future-ready architecture to support IIoT innovations (such as mobility, collaboration, analytics, and cloud connectivity)
- Simplicity on where to start

### Security and Safety

- Automate and enforce security policy including access control through security group segmentation with Cisco TrustSec
- Integrate and secure data into a single information management and decision support system with real-time visibility
- Align to cybersecurity and worker safety standards such as IEC 62443, NIST 800-82 and US Homeland Security best practices

## Next Steps

To learn more about the Cisco and Rockwell Automation alliance and joint validated designs, like CPwE, visit:

- [www.cisco.com/go/rockwellautomation](http://www.cisco.com/go/rockwellautomation)
- [rok.auto/cisco](http://rok.auto/cisco)

Design and Implementation Guides can be found at the following URLs:

- [Rockwell Automation Industrial Networking](#)
- [Cisco Design Zone](#)

For purchase information, reach out to your local [sales office](#) or [distributor](#)