

Prepare industrial operations for the future with Cisco and Rockwell Automation



Market pressures put productivity and profitability at risk

- Rapid globalization
- An increasingly competitive market
- Cyber threats and attacks
- Unpredictable maintenance costs
- Growing number of IIoT devices

Manufacturers are embracing modernization of their industrial operations as the way to address these challenges.

Modernization must address numerous pain points

- Maintenance of aging equipment is increasingly difficult
- Personnel need to be skilled in using modern solutions
- Outdated security principals, like “security through obscurity”, are not effective

A simplified modern solution is required that provides end-to-end visibility 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

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

- 12+ years of experience together
- Jointly developed and validated IIoT solutions



Committed to driving industry success

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



Dedicated to developing ground-breaking solutions

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



87%

of manufacturing executives report that aging infrastructure impacts their operations ¹



28%

of manufacturing organizations reporting a loss of revenue due to security incidents ²

Prepare industrial 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.

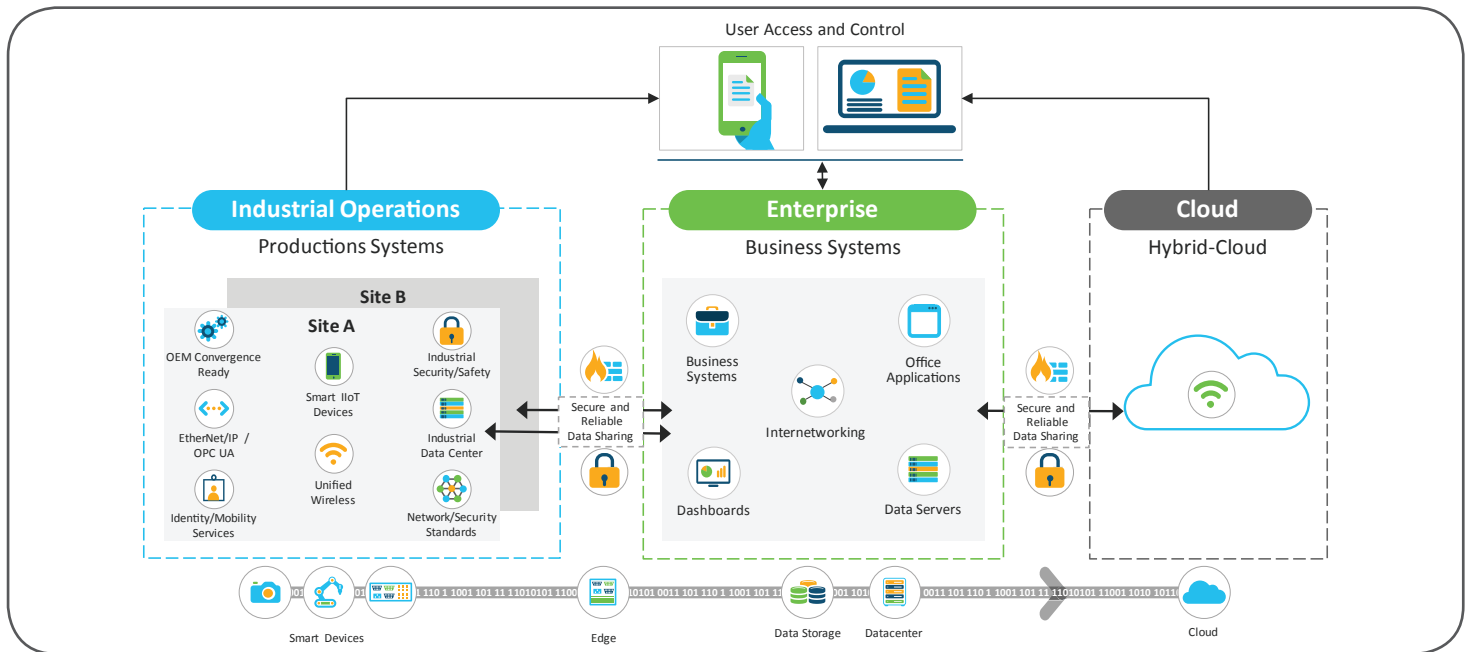


Figure 1: CPwE Architecture Diagram

Benefits



Enable business agility

Increase connectivity and interoperability to securely connect disparate data sources and derive insights across the enterprise



Optimize production yield

Drive greater manufacturer 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

Manageability

- Ease setup and deployment of devices and networks across the enterprise with FactoryTalk® Network Manager
- Maintain industrial network availability and troubleshoot network issues quickly with integrated tools and applications

Security and Safety

- Automate and enforce access control, provide identity services by user, device, and location with Cisco Identity Service Engine
- Integrate and secure data into a single information management and decision support system with real-time visibility
- Align to industrial security and worker safety standards

Next Steps

To learn more about the Cisco and Rockwell Automation alliance and joint validated designs, like CPwE, visit: www.cisco.com/go/rockwellautomation

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](#)