

# 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- Outdated security principals, like “security through obscurity”, are not effective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 <sup>1</sup>



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

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.

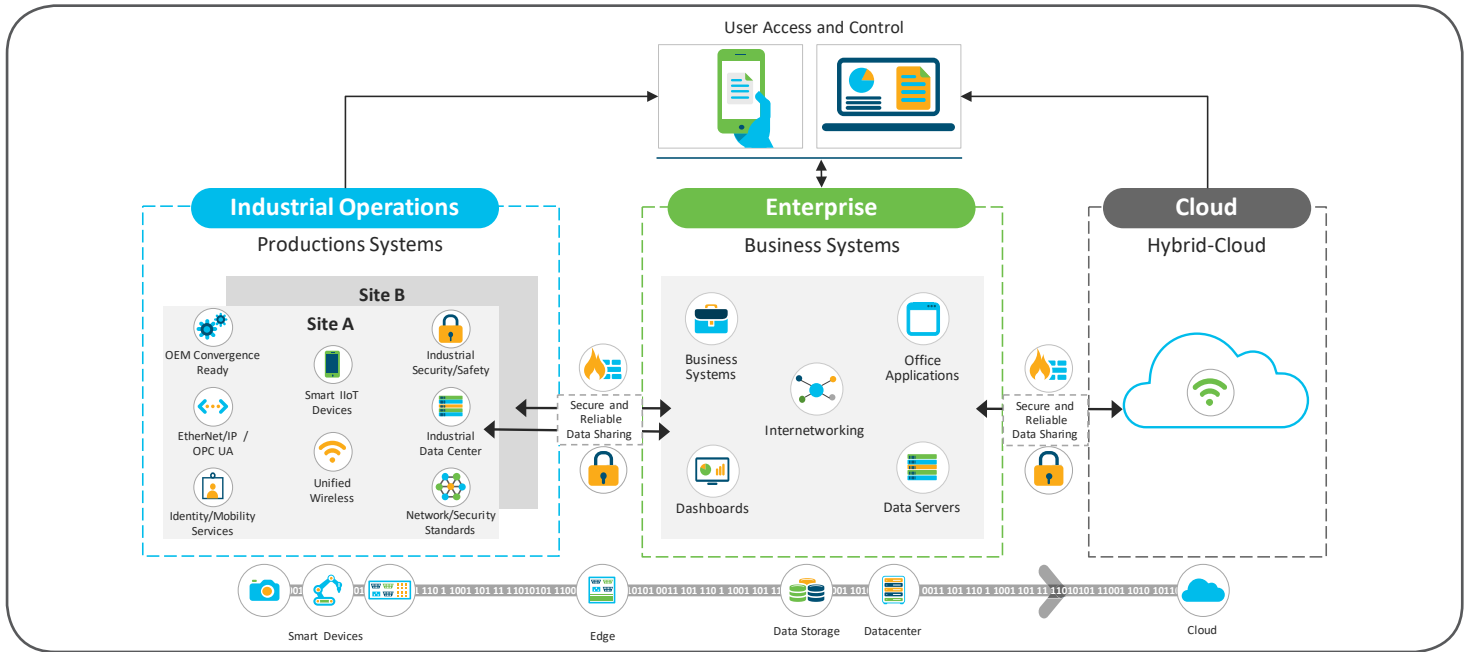


Figure 1: CPwE Architecture Diagram

## 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](http://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](#)