Prepare life science 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
- Data integrity and regulatory compliance
- Growing number of IIoT devices

Life science companies 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 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

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]

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 proven 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

1. The Economist, The impact of ageing infrastructure in process manufacturing industries, 2013
2. Cisco, Midyear Cybersecurity Report, 2017

Prepare life science 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.
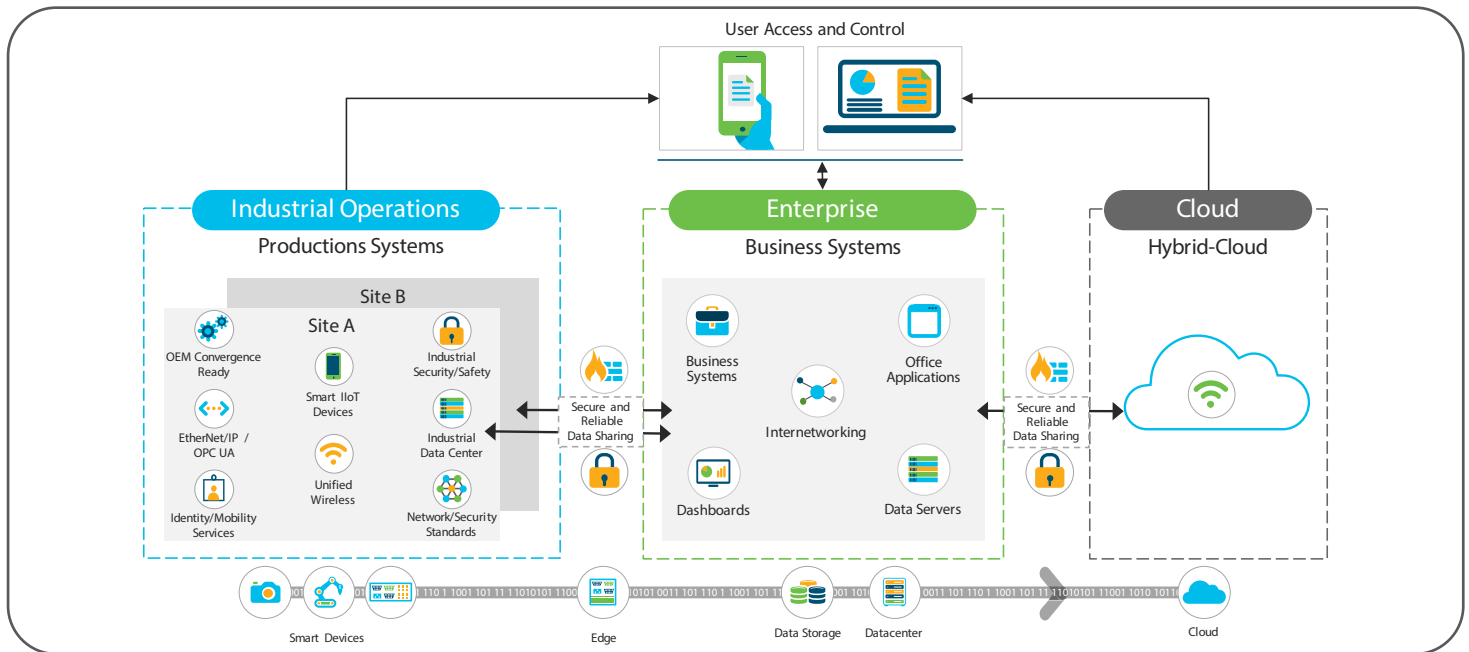

Figure 1: CPwE Architecture Diagram

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/cpwe

- www.cisco.com/go/rockwellautomation
- 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