

Network and Security Services

Assessments

Our Expertise

Our Network and Security Services team is comprised of multi-discipline professionals with extensive industry expertise:

- Process control and manufacturing applications across all industries, including industrial network architectures
- Quantitative and qualitative analysis of security threats specific to industrial control systems
- Diagnosis and remediation of legacy network equipment and protocols including ControlNet, DeviceNet, DH+, Remote I/O and Fieldbus
- Development of global standards specific to industrial control systems and the manufacturing industry including NIST SP 800-82; Executive Order 13636 Cybersecurity Framework; DHS INL/EXT-06-11478; ISO/IEC-62443 (formerly ISA 99)
- Collaborative authorship of the Converged Plantwide Ethernet (CPwE) Design and Implementation Guide with Cisco



Over the past century, global manufacturing systems have evolved from manual, linear processes. Landmark advances to automation technology and production methods paved the way for today's high-powered, efficient automated systems.

The IT infrastructure for your production environment is the key to continuing down a road of efficiency and profitability. Maintaining peak performance, while implementing security standards to keep your data and proprietary processes protected, should be your foremost concerns when evaluating your existing network.

Have you considered:

- Why is my network not operating according to operational/availability baselines?
- Is the network architecture robust enough to protect my intellectual property and assets?
- How do I know if issues I have on my network are security related, and how do I fix them?

Our Network and Security Assessment Services team considers these challenges with a unique perspective – leveraging our traditional industrial automation expertise along with our team of information technology specialists. Using this balanced approach between both disciplines we can fully assess your industrial IT assets to help remediate potential performance and security issues.

LISTEN.
THINK.
SOLVE.

Assessment Specifics

Rockwell Automation offers two levels of assessments as cost-effective solutions to help eliminate the guessing game and tackle issues before they create risk to your infrastructure. Both leverage our unique blend of IT and industrial expertise and help identify where gaps exist in your network architecture and security.

Standard

Assessing Risk does not have to be daunting – let us do the work

Our standard assessments are comprised of data collected by an on-site Rockwell Automation professional interviewing your engineers and staff, observing your infrastructure and documenting the results. For a cost-effective approach to identifying and prioritizing your network issues and risks, a standard assessment fits your needs.

- Flat fee service that includes travel, on site labor and on site report preparation and delivery
- Quantitative algorithms determine tolerance thresholds, risk indications, and prioritized mitigation plans of with action:
 - Technical description and classification of each vulnerability
 - Diagnose findings
 - Prioritization and criticality of each vulnerability as expressed by impact and exploitation potential
 - Recommended mitigation activities
 - Actionable next steps
- Limited infrastructure inventory of major components based upon physical access

• Typical timeline: one week from initial on site arrival.

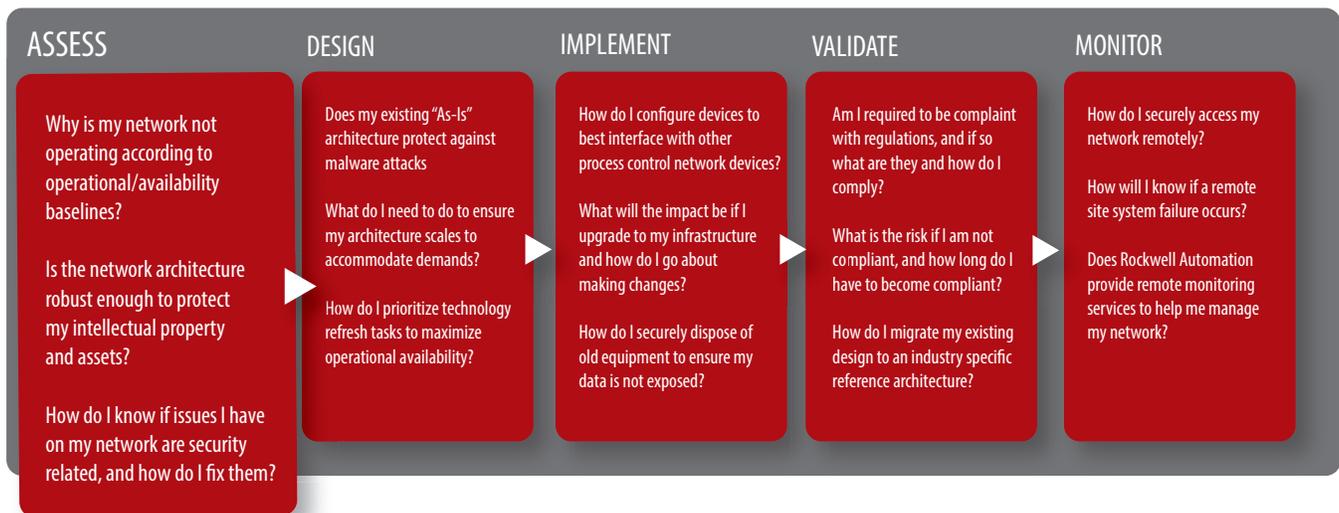
Comprehensive

No two plants are the same, and neither are your challenges

Our comprehensive assessments are customized based upon your unique challenges and production requirements, as well as the data we collect and analyze. If you have an upcoming need to improve or expand your network infrastructure and need a complete qualitative and quantitative evaluation, a comprehensive assessment is the best fit for you.

- Flat fee service that includes travel, on site labor and on and off site report preparation
- In addition to the standard assessment report, we also leverage tools and perform detailed analysis to provide:
 - Ethernet packet capture and inspection
 - Detailed logical and physical network topologies
 - Comprehensive infrastructure inventory
 - Automation system device configuration specifications
 - Evaluation of network performance
 - Recommendations for risk management
- Switch configuration analysis

• Typical timeline: 2-3 weeks from initial on site arrival.



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Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846