

Stage B – 09:00 am Automation Roadmap - Prioritizing Future Automation Strategies

- Overview of tools to gain insights on your current automation systems and determine the best path for the future

Disruption & A Changing World

- Skills Gap, Labor Shortage
 - Maintenance of Equipment
 - New Personnel / Training Opportunities
 - Outside Contractors
 - Machine Safety
- Supply Chain, Product Shortages
 - Product Obsolescence
 - Accessibility of Spare Parts
- Digital Transformation
 - Connected Supply Chain
 - Smart Machines
- Cyber Threats & Ransomware
 - Remote Working
 - Connected Machines
- Pandemic lessons learned
- Time & Speed to Market
- Mergers & acquisitions
- Inflation, interest rates
- Geopolitical events
- Business cycles
- General economic headwinds

What are you doing about these challenges and opportunities?

IBE – Installed Base Evaluation

Analysis of your critical plant assets and their current condition or lifecycle

- **Do you.....**
 - Have an accurate plant model identifying all physical assets?
 - Have a Bill of Materials (BOM) of all of the parts on critical assets in your plants?
 - Have accurate lifecycle information on your aged equipment and know what's current, outdated or obsolete?
 - Have a standard process for maintaining your storeroom to support critical spares?
- **An Installed Base Evaluation can help you...**
 - Reduce costs by identifying and eliminating excess inventory
 - Increase uptime by ensuring critical spares are on site to support production and maintenance
 - Identify and mitigate risks associated with legacy equipment
 - Gain broader visibility into your plant assets

Standard Network Assessment

You may be well-networked, but do you know your risks?

Let Schaedler Yesco assist you with evaluating the health and security of your company's industrial control system network.

- **ASK YOURSELF:**
 - Do you know what assets you have on your network?
 - Have you considered how security risks can cause safety risks?
 - Do you have a team in place that performs a complete security audit of your network infrastructure, more than just a network scan?
 - Do you have an outside vendor who comes into your facility that makes changes to a controller? What policies do you have around this type of access?
- **A Standard Network Assessment Provides the following:**
 - **Inventory of major network components including network, switches, routers and firewalls**
 - **Baseline comparison of physical, logical, and security- based elements against industry standards**
 - **Evaluation of key aspects of the network with minimal impact to your production environment**
 - **Recommendations and remediations – Actionable next steps**

Cybersecurity

Discover your Connected Assets with Vulnerability Discovery Service - Why is it important???

In the last 3 years...61% of Industrial manufacturers have experienced a cybersecurity breach

By 2025 expect to pay...\$10T Estimated cost of Cybercrime annually

- Legacy unpatched infrastructure, IoT, insider threats and a lack of skilled resources create vulnerabilities.
- Asset Visibility
 - Legacy managed & unmanaged switches with limited or no connection to one another
 - Providing full visibility, risk, and vulnerability data quickly to identify a complete list of assets on any network in minutes
- Reduce Risk
 - Identify vulnerabilities in industrial automation systems that attackers could exploit.
- Limited, but quick method to identify vulnerabilities associated with known assets in the OT environment
- Classify assets in your OT environment – discovery of unsecured network connections

Standard Risk Assessment

Evaluate plant risks to make well informed decisions to support the safety of your employees

Industrial safety is an opportunity to meet compliance requirements, reduce risk and maximize productivity

- Evaluation by Rockwell Automation safety engineer/consultant, limited customer involvement (typically operations/maintenance)
 - Evaluation report includes:
 - Documentation of participants
 - Identification of primary hazards/tasks
 - Risk-in/risk-out rating
 - Recommendations for safety improvements, such as: protective guarding; electrical safety controls; pneumatic/fluid power safety controls
- Safety circuit performance requirements
- Photograph of critical identified hazards (based on customer approval)