Cybersecurity Worst Practices

David Foose
Emerson
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Who Am I

- Power & Water Cybersecurity Architect
- David.Foose@Emerson.com
- @DaveFoose
- www.linkedin.com/in/DavidFoose
Emerson Power & Water Solutions Installations Automate ~1.3 Million MW of Global Power Generation, 20% of 7M MW of Global Generating Capacity

- 1000’s of Installations
- 85 Countries
- ~1,300,000 Megawatts
An Established History of Cybersecurity Programs and Solutions

Users and Industry Regulations drive increased demand for security

Security Program Tenets
Develop and introduce products and services that strengthen security posture with minimal impact to production or operations
Best Practice vs Worst Practice

Good Idea

Bad Idea
Know What is Connected
Hiding Your Issues
Balkanization of Security
Chasing Headlines

China may be using sea to hide its submarines

Federal Agents Raid Gun Shop, Find Weapons
Store Owner Arrested Previously

Forecasters call for weather on Monday
Trusting in Marketing
Generic Security Compliance
Building to Specifications
Ownership of the Outcome
Security Overspend
Improper Monitoring
Forgetting the Users
Users Find A Way
At Least You Tried
Key Takeaways

- Build a resilient environment with effective tools and good people
- Identify and secure key data and systems
- Develop an incident response plan and exercise it regularly
- Partner with a security supplier who understands your industry and is invested in your long-term business objectives

Emerson is Your Security Solutions Partner

Multi-vendor Solutions

Medium NERC CIP Facility, critical power generator and steam host
Emerson provided technology and services to assist with compliance including a full cybersecurity suite, annual cybersecurity assessment services and quarterly services

Compliance Program Assistance

Large Midwest Utility establishes robust cybersecurity program
Emerson provided technology to secure critical systems and services to assist with drafting security policies and procedures. Emerson quarterly visits for security services

Centralized Security Management

Multi-Site Utility seeks centralized cybersecurity solutions
Emerson’s centralized cybersecurity suite secures critical systems at 3 different plants in Southern California – centralized solutions ease burden of security maintenance tasks