IACS Cybersecurity

Background

Industrial Automated Control System (IACS) Cybersecurity has quickly become a serious issue for professionals in the process and critical infrastructure industries.

An unprecedented number of security vulnerabilities have been exposed in industrial control products and regulatory agencies are demanding compliance to complex and confusing regulations.

There are well established strategies and techniques that automation professionals can employ to discover and mitigate security vulnerabilities and improve the inherent security of their products and systems. Learning and adopting these strategies will help companies stay ahead of potential vulnerabilities.

exida is an ISA/IEC-62443/ISA-99 based industrial automated control system (IACS) and SCADA system security consulting and certification firm. Our experts have over 30 years of experience focusing on the unique security requirements for Transportation, Oil & Gas, Electric Utility, Chemical, Water & Waste Water and other industries that rely heavily on the use of industrial automation and control systems.

How Can exida Help?

exida helps customers achieve pragmatic cybersecurity through:

- Consulting Services
- Certification for processes, devices, systems and personnel.
- Training Courses
- exSILentia Cyber
- CyberPHAx
- CyberSL
- Reference Material

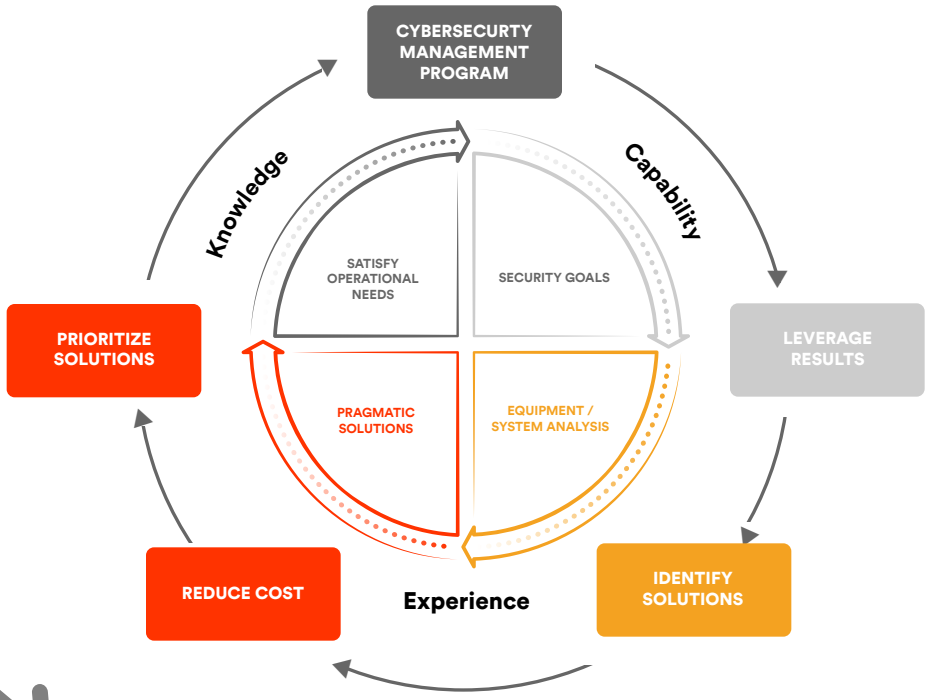
[Continued]

Consulting Services

exida has the skills and experience to assist at each step of the cybersecurity lifecycle from Assessment to Design to Operate & Maintain. We provide a range of ISA/IEC-62443/ISA-99 based services that is customized to your site's requirements while following the latest cybersecurity standards and guidelines.

Assess:

1. Cybersecurity Roadmap
2. Assess and evaluate (cybersecurity training and awareness)
3. NIST Cybersecurity Framework gap assessment
4. Cybersecurity Vulnerability Assessment (CVA)
5. High-Level Cybersecurity Risk Assessment
6. Detailed Level Cybersecurity Risk Assessment
7. Process Control Network Defense-in-Depth Review



Design:

1. Cybersecurity Requirements Specification (CSRS)
2. Cybersecurity Design Specification
3. Defense-in-Depth Analysis
4. User account Administration, Access, and Authorization Philosophy
5. Cybersecurity Factory Acceptance Test (CFAT)
6. Cybersecurity Site Acceptance Test (CSAT)

Operate & Maintain:

1. Cybersecurity Monitoring & Maintenance
2. Modifications or Decommissioning of ICS - Impact Analysis Review
3. Cybersecurity Vulnerability Assessment (CVA)