

SERVICES

ASSESSMENT & ANALYSIS ICS NETWORK ARCHITECTURE REVIEWS



STRONG NETWORKS START WITH SMARTER DESIGN

In many OT/ICS environments, network architecture grows organically over time. Patching, expansions, and third-party connections are added without full oversight. The result can be inefficient segmentation, hidden pathways for threats, and unclear data flows. Weak architectural design not only limits resilience but also increases vulnerability and compliance risks.

Arista Cyber examines your ICS and OT network from end to end, including physical layouts, logical zones, conduits, and trust boundaries. We partner closely with your operations, control systems, and network engineering teams. Together we walk through your existing architecture, capture real data flows, and validate assumptions. We benchmark your current architecture against leading practices and standards (like ISA/IEC 62443, Purdue Model, NIST), then design improvements to strengthen segmentation, reduce attack surface, and improve operational safety. We ensure designs are contextual to your processes, not generic templates.

KEY BENEFITS

- Improved security segmentation and containment of risk.
- Clear, logical data flow paths and trust zones that match your operational needs.
- Reduced attack surface, especially around high-risk or exposed areas.
- Better maintainability and easier compliance with regulatory and industry standards.
- Enhanced performance and reliability, since well-designed networks reduce misconfigurations and bottlenecks.

DELIVERABLES

- A full assessment of current ICS/OT network/system architecture.
- Detailed physical & logical network diagrams showing zones, conduits, segmentation.
- Proposed architecture redesigns or improvements to strengthen security.
- Recommendations for secure third-party connection handling.
- Implementation roadmap with phases for roll-out, validation, and verification.



HAVE A QUESTION?

[Contact](#) our industrial cybersecurity professionals for more information.

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STRONG SECURITY
STARTS WITH STRONG
ARCHITECTURE DESIGN
IS THE BLUEPRINT OF
RESILIENCE.

VISIBILITY. INTEGRITY. RESILIENCE.

Let's Fortify Your Future.

More information

Email us: info@aristacyber.io
Or visit aristacyber.io