

SERVICES

ASSESSMENT & ANALYSIS CYBER PHA / HAZOP SUPPORT



WHERE PROCESS SAFETY MEETS CYBERSECURITY

Process hazards exist in every industrial system, planned or unplanned. Traditional HAZOP (Hazard and Operability) studies focus on process safety but often omit or underrepresent cybersecurity risks. Without adding cyber considerations, safety reviews may miss threats posed by compromised devices, network disruptions, or manipulated data. These risks that can lead to both safety and security incidents.

Arista Cyber embeds cyber risk analysis into PHA/HAZOP studies. We work with your safety and process engineering teams to identify how cyber vulnerabilities intersect with process hazards. Using structured tools and techniques, we evaluate scenarios where a cybersecurity event could lead to safety failures or operational disruptions. The aim is to produce actionable outputs including controls, mitigation strategies, and monitoring, so your safety program is truly resilient.

KEY BENEFITS

- Cyber-aware safety studies that consider not only operational hazards but also intentional or accidental cyber threats.
- More complete risk evaluation that closes gaps between process safety and cybersecurity.
- Improved decisions about controls, design redundancy, and fallback systems.
- Enhanced ability to meet regulatory or industry requirements that are increasingly demanding cyber-safe processes.
- Greater confidence from leadership and stakeholders that safety and security are aligned.

DELIVERABLES

- Identification of critical cyber threats relevant to process safety.
- Integrated PHA/HAZOP workshop with cyber risk scenarios.
- Risk ratings and impact assessments combining process safety and cybersecurity perspectives.
- Specific recommendations and controls to mitigate combined cyber-process risk.
- Reporting and documentation to support safety, compliance, and operations teams.



HAVE A QUESTION?

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

[REQUEST A CONSULTATION](#)

CYBER PHA UNITES
PROCESS SAFETY AND
CYBERSECURITY
BECAUSE ONE
WITHOUT THE OTHER
IS INCOMPLETE.

VISIBILITY. INTEGRITY. RESILIENCE.

Let's Fortify Your Future.

[More information](#)

Email us: info@aristacyber.io
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The Cutting Edge
of OT
Cybersecurity