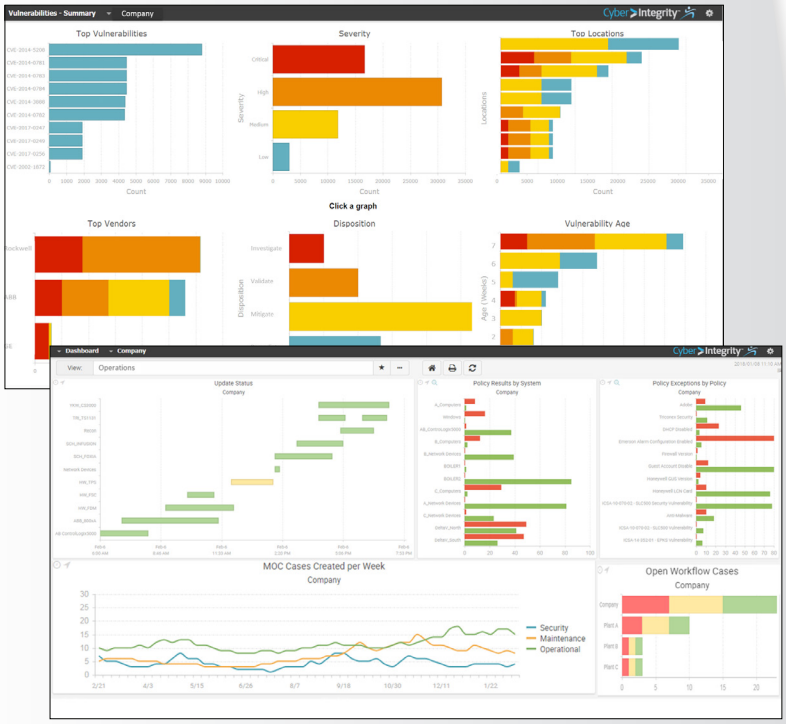
Cyber Integrity™

Cyber Integrity hardens security and enables compliance for the most critical assets in a plant – the industrial control system endpoints.



Key Benefits:

- Hardens industrial control endpoints against cyber threats
- Enables internal and regulatory compliance
- Reduces compliance and operational efforts by up to 90%
- Prevents unplanned downtime
- Manages across all major control system manufacturers

The Challenge

For the power, energy, and process industries, securing industrial control systems (ICS) requires knowing and tracking a complete inventory of all proprietary ICS and traditional information technology cyber assets. Only with a comprehensive inventory that includes configuration data can companies secure against unauthorized change, achieve a sufficient compliance standard, mitigate risk, and ultimately improve process safety.

Centralized monitoring and management of proprietary, multi-vendor ICS in a facility is a complicated process. Control system configurations are typically inventoried manually, a time-intensive process requiring expensive engineering resources. In addition, manually gathered cyber asset inventory data is often incomplete, stale over time, and incorrect due to human error. Unfortunately, traditional IT-based security tools provide little relief as they do not collect the deep proprietary configuration data required for established cybersecurity best practices.

Without a comprehensive, evergreen inventory, it is difficult to detect unauthorized change due to malicious attack or inadvertent engineering updates, obtain visibility into proprietary control system vulnerabilities, or maintain compliance against regulatory or corporate standards.

The PAS Solution

PAS Cyber Integrity, part of the Integrity Software Suite, leverages the capabilities of the PAS Integrity platform to embrace ICS cybersecurity standards-based requirements for process control network (PCN) inventory, configuration change, vulnerability, and compliance management, as well as backup and recovery.

Providing a holistic view of ICS cybersecurity across the enterprise, Cyber Integrity:

- Maintains a complete industrial endpoint inventory that includes both production- and traditional IT-centric cyber assets
- Identifies configuration changes against established baselines and manages investigative workflows
- Provides continuous vulnerability management with automated assessments, remediation workflows, and closed-loop patch management
- Enables compliance with NERC-CIP, ISA/IEC 62443, NEI 08-09, NIST, and other regulations
- Speeds recovery with backups of critical control system data

Cyber Integrity hardens security for the most mission-critical assets in a plant, the industrial control systems. The software works across the multi-vendor automation environment, providing enterprise scalability, performance, and platform independence.

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Cyber Integrity™

Cyber Integrity Features

Inventory Management: Maintains a complete inventory of IT and proprietary system configuration data – including control strategies, I/O cards, firmware, installed software, and any custom data.

Configuration Management: Monitors, detects, and remediates unauthorized configuration changes with the following capabilities:

- **Changes:** Monitors for unauthorized changes to control strategies, inventories, asset configuration, and logical and graphical files. Automates remediation actions via workflows based on asset value and risk guiding operations, compliance, and cybersecurity responses.
- **Policies:** Maintains security and operational imperatives through configuration policies, alerts, and workflows using asset-specific incident responses.
- **Baselines:** Defines the set of configuration data required for ICS cybersecurity, compliance, governance, and operations change monitoring.

Vulnerability Management: Automates vulnerability assessment for industrial control system assets. Assesses applicability and impact of Microsoft® patches and vendor bulletins. Provides workflows to ensure consistent remediation and mitigation activity and reporting. Provides dashboards and trend views to inform cyber risk management decisions.

Compliance Management: Audits and reports on internal and regulatory compliance requirements. Provides relevant and actionable information to the right people at the right time – including inventory, alerts, user authentication events, configuration details, change history, and workflow documentation.

Backup and Recovery: Quickly enables restoration of control system operations in the event of a worst-case scenario. Captures full configuration backups to speed recovery.

Integrity Asset Models

PAS has an extensive list of more than 75 different control system asset models that Cyber Integrity uses to gather essential configuration information for viewing and analyzing in a common format. Cyber Integrity is a highly scalable, enterprise-class software built on the Integrity platform, which is deployed at hundreds of sites across the world.

For information on how to purchase Cyber Integrity, please email sales@pas.com.

PAS

Oil & Gas
Metals & Mining
Pulp & Paper
Refining
Chemicals
Power

About PAS

PAS is the leading global solution provider of ICS cybersecurity, process safety, and asset reliability in the energy, power, and process industries.

Our comprehensive portfolio includes solutions for industrial control system cybersecurity, automation asset management, and operations management which includes alarm management, IPL assurance, high performance HMI, boundary management and control loop performance management.

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