CHARTER
ENTERPRISE CYBERSECURITY

Partnering OT and IT to help you achieve your possible

Enable Visability

Secure Touchpoints

Provide Rapid Incident Response

Protect Critical Industrial Systems

Charter provides a comprehensive portfolio of Cybersecurity services, including security assessments, developing cyber plans across the enterprise environment, and the delivery of project implementation and managed services.

Features and Benefits:

- Enable visibility into industrial control systems for inventory and to develop baselines for devices, applications, and traffic profiles
- Enterprise network management with security, visibility, and expertise at its core
- Secure touchpoints where people and their devices interact with industrial control systems
- Add tools that enable and inform rapid incident response
- Prepare for the inevitable shift of OT components to the cloud
- Align with industry security standards, such as IEC 62443 and NIST 800-82

Protect your critical industrial systems with Charter's leading Cybersecurity portfolio

Industry: A target-rich enviornment

Many energy companies view Cybersecurity as a top barrier to realizing the value of the data collected by the Industrial Internet of Things (IIoT). This threat is multiplying as reports show that attacks aimed at critical and industrial systems are becoming increasingly effective and more common.

The risk to energy companies from cyberattacks is broad and business impacting, including:

- Employee health and safety
- Production uptime and availability
- Intellectual property theft and ransomware
- Costs for remediation, compliance fines, and reputation damage

Industrial and supervisory control (ICS) and data acquisition (SCADA) systems in operational technology (OT) networks are inherently vulnerable due to their use of proprietary hardware and software, with little to no security built into aging legacy production networks. This vulnerability is increasing as companies implement IoT capabilities across their production assets and connect these assets to higher-level enterprise applications.

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ICS/SCADA visibility

The foundation for applying Cybersecurity to energy companies' assets is to enable visibility into critical ICS and SCADA environments. This visibility provides security operators the data needed to understand the system's baseline for devices, applications, and traffic. These baselines are critical and form the foundation for identifying anomalies that result from cyber intrusions by malware, worms, viruses, and other system exploits.

Our portfolio enables this visibility and anomaly detection with the following:

- Next Generation Firewall technology (NGFW)
- Industrial Security Appliances (ISA)
- CICSo Stealthwatch® analytics
- Industrial Ethernet (IE) switches with NetFlow

Malware Protection

Protecting the vulnerable touchpoints where people and their devices interact with the ICS/SCADA systems is critical for reducing threats from malware delivered over the web, email, and USB storage.

We offer the industry's most advanced malware detection and prevention with the following:

- Advanced Malware Protection (AMP) for Endpoints and AMP for Networks
- CICSo Talos™ global threat intelligence

Time to detect (TTD) and time to respond (TTR) will determine how long an attacker controls a compromised system, and ultimately determines the impact of the attack. The capabilities offered for ICS/SCADA visibility and malware protection help dramatically decrease the TTD and TTR, which limits the impact on production.

Charter has the infrastructure expertise, services, and strategic partnerships needed to secure corporate IT and operations, spur faster decision making, and enable new business models without compromising reliability, security, or network response time.

Cloud Readiness

Core ICS/SCADA functions will likely remain on-premises for many years to come, but software for OEM and third-party data analytics and machine maintenance are moving to the cloud. Prepare the organization to adapt to these cloud models with confidence, using cloud security tools from CICSo with Charter's superior technical guidance:

- Umbrella™
- Cloudlock™
- Stealthwatch Cloud

Industry Standards

The Cybersecurity capabilities offered in our portfolio map directly to industrial cybersecurity standards such as:

- IEC 62443
- NIST SP 800-82
- API 1164

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