



BUREAU VERITAS

SECURITY INNOVATION
A BUREAU VERITAS COMPANY

CYBERSECURITY SERVICES FOR THE OIL AND GAS INDUSTRY

Protecting the Backbone of Energy Infrastructure

As the oil and gas industry embraces digital transformation, the need for robust cybersecurity has never been more critical. Bureau Veritas and Security Innovation offer comprehensive services that help safeguard your operations from exploration to distribution, ensuring continuity and compliance with industry regulations.

MAIN CYBERSECURITY CHALLENGES FOR THE OIL AND GAS SECTOR:

Increasing Cyber Attacks: The oil and gas industry is a prime target for cybercriminals, with attacks on OT systems potentially leading to disruptions in drilling, pipeline operations, and refining processes. These incidents can result in significant financial losses, environmental damage, and threats to worker safety.

Regulatory Compliance Pressure: With evolving standards like NIST 800-82 and IEC 62443, oil and gas companies are required to maintain stringent cybersecurity measures to protect critical infrastructure and secure supply chains.

RAISING YOUR CYBER RESILIENCE

The integration of digital technologies such as SCADA systems, IoT sensors, and cloud-based platforms has transformed the oil and gas industry but also introduced new vulnerabilities. With operations spanning harsh and remote environments, it is essential to bolster your cyber resilience to ensure seamless and secure energy production and distribution.

WHY CYBERSECURITY FOR OIL AND GAS IS IMPORTANT

Protecting Critical Infrastructure: Oil and gas facilities, from offshore rigs to refineries, are part of the critical infrastructure supporting global economies.

Minimizing Downtime: Cyber incidents can halt production and disrupt supply chains, causing severe economic impact.

Regulatory Compliance: Adhering to standards such as NIST 800-82 and IEC 62443 is crucial for operational continuity and trust within the industry.

CYBERSECURITY SERVICES TAILORED FOR OIL AND GAS UPSTREAM OPERATIONS: EXPLORATION AND PRODUCTION



OT Penetration Testing: Simulate real-world attacks to identify vulnerabilities in drilling and remote monitoring systems.



Secure SDLC Consulting: Embed security into software development practices, reducing risk across operational technologies.



Threat Modeling and Architecture Reviews: Enhance system resilience with tailored threat assessments and design reviews.



Training and Incident Preparedness: Equip teams with knowledge through industry-focused cybersecurity training and incident response drills.



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MIDSTREAM OPERATIONS: TRANSPORTATION AND STORAGE

Vulnerability Assessments: Identify and address potential weak points in pipeline management and storage infrastructure.

Penetration Testing: Protect pipeline OT systems and pump stations from cyber exploitation with rigorous testing.

Cloud Security Configuration: Ensure secure management of data in cloud-connected systems that support midstream operations.

Incident Response Simulations: Prepare teams with hands-on, scenario-based exercises to bolster response capabilities.

DOWNSTREAM OPERATIONS: REFINING AND DISTRIBUTION

Application Security Consulting: Fortify DCS and ICS systems within refineries and distribution networks.

Comprehensive Code Reviews: Eliminate vulnerabilities in software handling refining processes and distribution management.

Regulatory Gap Assessments: Support compliance with industry standards like IEC 62443 through targeted gap analysis.

Tabletop Exercises and Training: Conduct practical training to prepare downstream teams for rapid response to cyber threats.

HOW WE SUPPORT YOU

Compliance with Industry Standards: From IEC 62443 to NIST 800-82, we guide you through your compliance journey with assessments, consulting, and training.

Secure Your OT Environment: Our experts conduct industrial vulnerability assessments and OT penetration testing to ensure your systems are resilient.

Proven Expertise: Trusted by leaders in energy production and infrastructure, Bureau Veritas and Security Innovation bring decades of combined cybersecurity and industry knowledge.



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WHY CHOOSE BUREAU VERITAS AND SECURITY INNOVATION?

Global Reach with Local Expertise: With a presence in 140+ countries, we provide cybersecurity solutions wherever your operations are located.

Comprehensive Cybersecurity Services: From exploration to refining, we offer solutions that cover your entire oil and gas operation.

A Trusted Partner in Critical Infrastructure Protection: Our reputation for thorough testing, inspection, and certification spans decades, ensuring your confidence in operational security.

CLIENT SUCCESS STORY



A global oil and gas corporation enhanced its cybersecurity posture by partnering with Bureau Veritas. Our team provided thorough OT security assessments and conducted compliance preparations for IEC 62443, ensuring secure operations and regulatory adherence.



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CONTACT US:

Protect your operations with comprehensive cybersecurity services. Contact us today to discuss your needs.



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