



CASE STUDY

# Oil & Gas Producer Deploys Global ICS Security Program

With industrial control systems at risk, an oil & gas company turns to Accenture and Nozomi Networks.



## Customer Profile

- An integrated oil & gas producer operating in the United States, Latin America and the Middle East
- Annual revenue \$12B+
- More than 11,000 employees



## Results

- Detailed asset inventory created the foundation for detecting, isolating, preventing and remediating cyberattacks
- Deepened ability to monitor regional and global ICS network activity with an end-to-end security solution
- Improved anomaly detection to prevent cybersecurity and process incidents before they occur



The oil and gas industry continues to be an attractive target for cyber criminals, making it essential for companies to adopt a more proactive approach to cyber defense. With the Nozomi Networks solution, companies immediately gain OT network monitoring and threat detection technology that can be integrated with Accenture's security services and solutions.

**Luis Luque**

Managing Director, Accenture Security

# Guardian

## Automatically Delivers a Detailed Asset Inventory

### **The Challenge:** **Little Visibility** **into a Complex** **Threat Landscape**

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In 2017, Accenture Security began working with an international oil and gas producer to evaluate global cyber risks to its operational assets. The ultimate goal: define, design, develop and deploy a fit-for-purpose, risk-based industrial control systems (ICS) security program.

The company first proposed a six-week contract for Accenture Security to work with its new ICS security lead and provide guidance and strategies for managing ICS security. After evaluating the initial results, the client's executive team asked Accenture to continue; the six-week contract became a multi-year, end-to-end global security project.

With oil and gas facilities distributed across three continents and no inventory of its operations and field assets, the company lacked device visibility and monitoring at the field level. This made it a challenge to assess the security posture of its facilities, and to quickly detect, isolate, prevent, repel, and remediate attacks.

### **The Solution:** **Combining** **Industry** **Experience** **with the Right** **Technology**

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Employing its experience with large ICS security programs, Accenture Security first outlined a plan to implement an end-to-end solution that would increase operational visibility, cybersecurity and resilience. As a result, the client would accelerate and deepen its ability to anticipate, mitigate and if necessary, recover from attacks without safety or business impacts.

One critical step in the process was for Accenture and the oil and gas producer to identify technology that would enable visibility and enhance cybersecurity. This wasn't difficult: the producer's IT/OT team had seen several demonstrations of Nozomi Networks' operational visibility and cybersecurity solution – and had been impressed. Thus they asked the Accenture team about folding Nozomi Networks Guardian solution into the broader cybersecurity program under development.

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# Guardian

## Industrial Strength OT and IoT Security and Visibility

### **The Solution:** **Combining** **Industry** **Experience** **with the Right** **Technology**

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Accenture was well aware of the advantages of the Nozomi Networks solution. In 2018, the two organizations announced a partnership under which Accenture Security would bundle Nozomi Networks' deep network visibility and real-time ICS cybersecurity products with its threat-hunting services to create a comprehensive, converged IT/ OT security solution. Globally, more than 70 Accenture Security consultants have been trained as Certified Nozomi Networks Engineers, a number that continues to grow. The Nozomi Networks Guardian solution was also deployed at the Accenture Innovation Center OT Cyber Range in Houston, Texas, a learning hub where companies can test leading solutions against live threat scenarios.

Accenture and the oil and gas client were also confident that the Nozomi Networks solution would integrate smoothly into its end-to-end solution and could automate the creation of a detailed asset inventory. In addition, the synergy between Nozomi Networks and Accenture meant a faster rollout and accelerated protection.

Accenture's specialized OT team rolled the solution out to 23 North American sites in Q4 2018. An additional 23 sites were added in Q1 2019, with expansion to other continents planned throughout 2019 and 2020.

### **The Results:** **Real-time** **Operational** **Visibility,** **Enhanced** **Cybersecurity**

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With multiple Guardian sensors deployed and the Accenture-designed solution in place, the oil and gas company now has:

- The ability to rapidly detect and mitigate threats to ICS systems, process reliability and cybersecurity
- A global and automated asset inventory with detailed device information including traffic throughput and TCP connections
- Real-time regional and global ICS network visualization
- Scalability across hundreds of assets on three continents
- Flexible, cost-effective deployment options for varying facility sizes and requirements

The oil and gas company now has the ability to rapidly detect and mitigate threats to ICS systems, process reliability and cybersecurity.

"Accenture Security is the best Nozomi Networks partner to deliver on this multinational oil and gas client's complex operational visibility and cybersecurity needs - based on experience, personnel, training and commitment."

**Edgard Capdevielle**  
CEO, Nozomi Networks

# The Nozomi Networks Advantage



## Securing the World's Largest Organizations

Accelerating your digital transformation by reducing cyber risk.



## Unifying Cybersecurity Visibility

Innovating visibility and threat detection across your OT, IoT, IT and cyber-physical systems.



## Partnering to Accelerate IT/OT Convergence

Deeply aligned with the OT, IoT and IT partners you trust.



### About Accenture Security

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions — underpinned by the world's largest delivery network — Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With 469,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives.

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Accenture Security helps organizations build resilience from the inside out, so they can confidently focus on innovation and growth. Leveraging its global network of cybersecurity labs, deep industry understanding across client value chains and services that span the security lifecycle, Accenture protects organizations' valuable assets, end-to-end. With services that include strategy and risk management, cyber defense, digital identity, application security and managed security, Accenture enables businesses around the world to defend against known sophisticated threats, and the unknown.

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Nozomi Networks protects the world's critical infrastructure from cyber threats. Our platform uniquely combines network and endpoint visibility, threat detection, and AI-powered analysis for faster, more effective incident response. Customers rely on us to minimize risk and complexity while maximizing operational resilience.

