

# Ensuring Safe and Secure Energy Operations with **Advanced Cybersecurity**



90%

Improved Security Posture



87%

Risk Reduction



45%

Fixing Cost Reduction




30%

Development Cost Saved

The client is a global oil and gas industry leader, specializes in subsea, onshore/offshore, and surface projects. they offer pivotal services like subsea production systems, flexible pipes, surface wellhead systems, fluid control equipment, and vital support for diverse projects including LNG and petrochemicals through their Onshore/Offshore services.





## Challenges in the client's Business landscape:

- **Risk management and Threat Identification**

To enhance risk management and identify potential threats, vulnerabilities and associated risks within the application.

- **Expanding HMI Experience**

Conduct a Threat Modeling assessment on the existing application which is used to expand its HMI experience from a Windows-centric backend to include all web browser enabled devices and enhance management capabilities.

## QualiZeal Solutions:

### → Comprehensive Security Analysis

QualiZeal conducted a thorough security analysis of the existing application, identifying potential vulnerabilities and providing detailed mitigation strategies. This comprehensive assessment ensured that the client could proactively address security concerns, enhancing the overall resilience of their HMI experience across multiple devices.

### → STRIDE Methodology for Threat Modelling

QualiZeal applied the STRIDE methodology for Threat Modelling, aiding the client in recognizing generic threats linked to the existing application requirements. QualiZeal pinpointed possible threats, offering mitigations, data flow diagrams, and Use/Misuse case graphs for each threat type.



# About



QualiZeal is North America's fastest-growing independent digital quality engineering services company. With a diverse portfolio of digital transformation services encompassing Quality Engineering, Digital Engineering, Advisory and Transformation, and Emerging Technology Testing, QualiZeal empowers organizations of all sizes globally to achieve quality excellence and sustainable market leadership. With a headcount of 850+ elite software quality engineers and trusted by 70+ global enterprises over 200+ projects across 12+ industries, QualiZeal is widely recognized for its pioneering innovation and industry-leading client and employee Net Promoter Scores (NPS).

QualiZeal has been acknowledged as the Fastest Growing Digital Quality Engineering Services Company in North America at the 2022 Global Choice Awards. Additionally, QualiZeal has also been named the winner of the Bronze Stevie® Award for 2024 Tech Startup of the Year (Services) category in the 22nd Annual American Business Awards®. We also have been recognized as a Major Contender in Everest Group's Specialist and Next-Generation QE Services PEAK® Matrix 2024 reports and as a notable provider in Forrester's Continuous Automation and Testing (CAT) Services Landscape Report (Q4 2023).



[www.qualizeal.com](http://www.qualizeal.com)

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