

# BW Offshore cuts the risk to its IT and OT environments with managed security services

**With operations across the world, BW Offshore understands the importance of securing both their IT and operational technology (OT) environments. As OT and IT are converging, systems that were siloed and protected are now open to cybersecurity threats that so far have targeted IT systems. BW Offshore viewed protecting their OT environment with the same priority as protecting their IT systems. Together we created a cybersecurity strategy that ensured security across their IT and OT environments in line with their risk profile. This allows them to deploy 24/7 threat monitoring of both their IT and OT environment, while incorporating and maintaining key security processes and analysis across all their operations.**

## Client Profile

BW Offshore engineers and operates a fleet of innovative Floating Production, Storage and Offloading solutions. By leveraging four decades of offshore operations and project execution, they create tailored energy solutions for evolving markets world-wide. BW Offshore's global presence, operational integrity and extensive experience leads the way in global floating production solutions for the oil and gas industry.

## Challenge: Securing the integrated IT and OT environment

Security is a critical component of BW Offshore's technology strategy. With vessels operating around the world, including West Africa, Brazil, the Gulf of Mexico, Asia and Europe, they needed to secure their IT and OT environments. As for all types of marine vessels the FPSO also contains an IT and OT environment.

The modern business environment requires maximum visibility into the operational environment. This because a steady exchange about around production and equipment uptime is required by executive teams. 'The amount of data that we'll be able to extract is only going to increase with digitalization. This will create real value for both the company and our clients, but before we can fully exploit this opportunity, we need a strong cybersecurity foundation in place,' says Enrico Piccini, Manager Cyber Security, IT & Systems at BW Offshore.



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**Working with NTT, we have a partner who can meet our requirements across both our IT and OT environments. This allows us to focus on enhancing the operational efficiency of our global fleet.**

**Enrico Piccini, Manager Cyber Security, IT & Systems, BW Offshore**

“To deliver this, BW Offshore created a security roadmap to ensure they’re able to focus their efforts on the relevant areas of the business. Both IT and OT need visibility and monitoring as a basic set of common requirements. Their BW Catcher vessel in Aberdeen needs 24/7 monitoring of all systems. With the rapid evolution of the cybersecurity threat landscape, BW Offshore needed a partner to enable them to meet their specific needs.

### **Solution: Merging expertise with data**

Working with us, BW Offshore initially focused on the IT environment on their vessels and their global offices, to ensure protection against current and future cyberthreats. At the same time, together with NTT Security they performed a POC with a dedicated OT Threat Detection tool which gained visibility across their OT environment and went on adopting security policies, standards, processes and controls and an accurate asset database providing insight into potential risks and allowing them to apply resources and controls in the most effective way and in line with their strategy.

These insights allowed us to incorporate security into our everyday operations and deploy 24/7 monitoring of both the IT and OT environments,’ says Fritz Ekløff, Head of IT and Systems at BW Offshore.

### **Vision: Mitigate potential threats in advance**

NTT Security receives IT and OT telemetry to our Gothenburg SOC via satellite link. As many MDR offerings ingest and process IT telemetry, our Samurai MDR platform also ingests and processes OT telemetry from leading vendors of specialized OT Threat Detection tools. Processing the IT and OT telemetry in parallel allows for our cyber security analysts to do analysis of IT and OT on One Single Pane of Glass. The analysts will see and verify alerts from both realms on the same timeline and pick up even traces of malicious activity in any production plant and even on board an ocean-going vessel.

All telemetry from vessels and international offices is routed through a central system at their Oslo head office, giving them and us full visibility. With access to our main Security Operations Center in Gothenburg, BW Offshore can leverage our comprehensive monitoring capabilities and advanced threat detection services. With our insights and next-generation analytics, they can take action to mitigate potential threats before they impact operations – both in IT and OT or both.

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#### **24/7 protection**

With the secure foundation in place, BW Offshore can explore the possibilities that greater visibility of their OT environment offers. Leveraging advanced threat detection and 24/7 monitoring they can deploy the most appropriate security solution for each of their vessels.

#### **Secure IT environment**

Leveraging our Security Operations Centers, BW Offshore are notified of any incidents in both their IT and OT environments and any potential impact this might have on production. They’re also able to adapt the level of monitoring to match the risk profile of each vessel

#### **Opening up the data opportunity**

With the potential to extract more data from their production environment BW Offshore can explore the potential that this offers, without incurring additional risk from connecting their OT and IT systems.



# Your partner in cybersecurity

SamurAI simplifies and streamlines the onboarding of managed detection and response services with minimal system requirements, and a seamless customer experience. Our solutions are designed to be fit for purpose, based on your business objectives while scalable and flexible to your evolving demands.

We stay one step ahead with relentless research, advanced AI-driven detection tools, and NTT's global threat intelligence data. Our Security Operations Center operates around the clock, staffed with top-ranked security analysts, ensuring we are always proactive, ready to respond to cyber threats at a moment's notice.