

AI-Powered Safety Solution Propels Valaris DS-9 Rig to Safety Award in ExxonMobil Angola Project.

Advanced safety reporting digital tool breaks language barriers, boosts engagement, fosters a robust safety culture, and upholds adherence to Valaris Life Saving Rules.




Summary

Client



ExxonMobil

Sector

Offshore Oil and Gas

When

July 2022 to present

Challenge

Valaris faced heightened safety risks during DS-9 rig reactivation for Angola project, underscoring the critical need to foster a robust risk awareness and mitigation culture without delay.

Solution

Implementing a data-driven safety reporting tool with multilingual capabilities, accessible to all crew members, provided real-time access to risk trends. This boosted safety engagement and swiftly accelerated the mitigation of identified risk.

Results

Achieved exceptional safety performance and secured the prestigious **Rig of the Year** award amidst stiff competition from a global fleet of **50 offshore rigs**.



ANGOLA

An Efficient and Accessible Safety Reporting System was Key for Operational Safety.

Starting new drilling campaigns poses inherent challenges, especially when it involves coordinating with new teams and unfamiliar locations, which can heighten safety risks.

Valaris DS-9, an offshore deepwater rig, was commissioned to spearhead a new drilling project for an Exxon project in Angola. The project's success hinged on safely and efficiently executing operations; a robust safety reporting process was essential. Existing reporting methods faced limitations, including restricted accessibility for contractors and a lack of language options for international crew members.

These barriers hindered consistent participation in safety reporting, resulting in missed opportunities for risk mitigation and extending the time needed to act on identified risks to prevent potential incidents.

Breaking Language Barriers: Empowering Safety Reporting with Multilingual Tool.

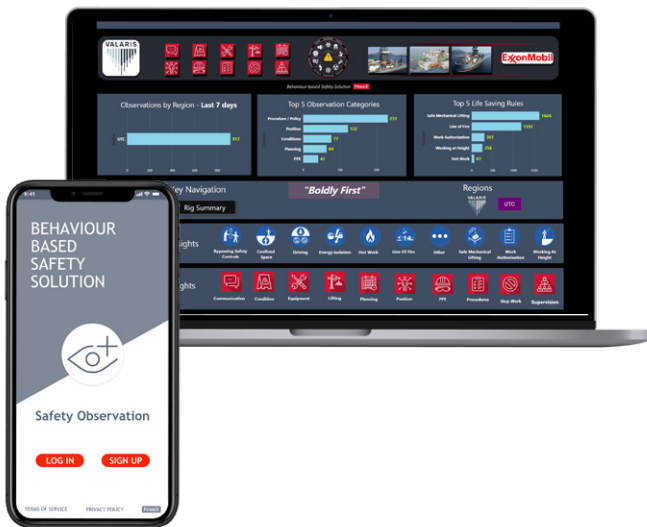
The Fennex BBSS™ solution is a cloud-based behavior-based safety platform that utilizes artificial intelligence and machine learning technology to fully digitize and automate the safety observation process. Uniquely engineered for offshore projects, it's accessible to all workers, including contractors, providing a centralized platform to efficiently capture, track, report, and analyze critical safety trends for rapid mitigation.

Within weeks, Fennex BBSS™ was deployed on the DS-9 rig, allowing crews to report safety observations in seconds using voice-to-text features in their preferred language. BBSS™ processes and translates observations from over 30 languages, boosting participation and ensuring accurate communication of risks in line with IOGP's life-saving rules. This fosters greater team involvement in safety reporting and risk identification.

Real-Time Access to Safety Data Enabled Efficient Risks Mitigation.

Continuous monitoring of safety observations and identified risks via live PowerBI visual dashboards empowered Valaris and Exxon HSE teams to analyze trends and promptly address risks.

This enhanced visibility and efficiency in risk mitigation efforts, while accurate reporting of unsafe actions facilitated targeted conversations and awareness campaigns within the team, addressing training gaps or coaching needs to promote safe operations effectively.



The Valaris DS-9's outstanding safety performance earned its crew the:



**RIG OF THE YEAR AWARD
2023**

This accolade is part of the Rig Recognition Program, which assesses productivity and safety across **Valaris 50 offshore rigs**.

BBSS™ facilitated seamless communication among multi-lingual teams, with over 30% of the 70,000 reported observations being made in languages other than English and effortlessly translated by the system.

The success of BBSS™ on the DS-9 Rig is demonstrated through its tangible benefits, including increased efficiency, reduced paperwork, decreased manhours for analyzing safety reports, and heightened crew engagement.

The optimized and efficient safety observation reporting process made it significantly easier to address safety issues, effectively preventing incidents and creating a **safer workplace**.



Fennex BBSS™ has truly transformed our safety culture, enabling us to deliver safe and efficient offshore operations. Its user-friendly interface empowered everyone to actively participate and contribute to safety reporting. Our team has seen a significant increase in risk awareness, cultivating an exceptionally positive safety culture among the offshore crew.

– Jimmy Burke, SSH&E Supervisor, ExxonMobil