

FENNEX

CASE STUDY

Policy Assurance Management Digital Solution (PAM™)

*A Cloud Digital Platform
To Drive Regulatory & Policy
Compliance*



AT A GLANCE

Who: Global Offshore Drilling Contractors
When: 2019
Scope: Cloud-based organization-wide digital platform to manage Audits, Inspections and Verifications process for leading deep-water offshore drilling contractors.

PAM™ proven to raise policy awareness, drive compliance, and reduce risks.

INTRODUCTION

Each year, **non-compliance** can cost several millions to companies within the oil and gas industry, as such effective company management systems are essential to the compliance process.

A robust Policy Assurance Management system drives good practices in the compliance process. However, the continuous increase in regulatory requirements and the rapid change in business practices have greatly highlighted the need for a more efficient approach towards managing compliance.

Using Microsoft cloud computing technology, Fennex have developed the **PAM™** digital solution to assist offshore drilling teams at driving compliance with all regulatory and policy requirements and achieve greater operational performance.

CHALLENGES

Many oil & gas organizations operating on global scale face the challenge of effectively managing the increasingly complex and high-risk compliance assurance process with existing methods.

Policy Assurance Management systems include complex company manuals, internal policies & procedures, regional/regulatory guidelines and processes, robust verifications, risk management and regulatory assurance activities, in line with external regulators, customers and the company QHSE management system.

The numerous audits and verification tasks and workflows are becoming increasingly burdensome, time-consuming and relying on outdated paper-based management, which include reports and spreadsheets that are stored and shared for updates when needed.

Initial statistics highlighted that the dedicated audit teams spend **20%** doing **actual investigations**, while the other **80%** are spent **filling spread sheets** and **completing reports**.

These methods are not just inefficient and resource-intensive, they are error-prone and becoming unable to keep up with ever changing landscape of regulatory requirements.

SOLUTION

Fennex team partnered with two key international players in the offshore drilling industry, **Noble Corporation** and **Transocean**, to leverage the use of advanced cloud computing applications and introduce the Regulatory Technology (**RegTech**) type solution for transparent, faster, and more efficient methods to manage operations assurance activities across the entire organisation.

The Fennex **PAM™** solution fully digitised and automated the end-to-end processes that govern **Audits, Inspections** and **Verifications** workflows and requirements.

Using a technology stack including Microsoft Azure, SharePoint, SQL, PowerBI systems and mobile Apps technologies the digital platform is **tailored** to the organisation's **unique business process**, fully aligned to the internal policy assurance and quality management systems, with real-time integration to the company's **own digital ecosystem**.

Transparent, collaborative and live visual dashboards are accessible online, allowing ease in monitoring, evaluating, and reporting of vast amounts of information with greater efficiency to aid decision making.

A key factor in the wide adoption is the use of mobile devices accessed via a built-in bespoke Apps, which allows users to work offline with advanced dictation and photo capabilities.

The automation of manual processes have reduced errors, enabling team to have quicker access to accurate consolidated data for far greater insights.



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RESULTS

Following successful adoption of the **PAM™ across +55 offshore assets**, the teams were able to prioritise activities and optimise their policy assurance & assets integrity programmes. By removing complexity and enhancing clarity, most complex and critical regulator verifications are executed with greater efficiency. This has been especially beneficial for **Rig Reactivations, Well Control** audits and high-risk operations such as **HPHT** and **MPD** drilling.

PAM™ solution increase productivity by **40%**, in addition to these delivered benefits:

- ✓ Transparency & Simplicity
- ✓ Policy awareness & knowledge improvement
- ✓ Data driven analytic enhanced policies & verifications
- ✓ Increased Compliance
- ✓ Evidence/History of compliance

“The real-time data, digital reports, trends and analysis from the PAM™ system mean we are able to improve and get ahead of issues before they become lagging indicators”

HSEQ Regional Director