CLIENT SPOTLIGHT
Offshore Drilling Company

3Cloud

Oil & gas company reduced onshore maintenance resourcing needs by 70% and saved money by replacing Tableau with Power BI

CHALLENGE

This client is one of the largest offshore drilling companies in the world. Their legacy, on-premises data and analytics solution was comprised of a combination of Tableau, Alteryx and Compass ERP. The organization operated with decentralized reporting and fragmented analytics, utilizing disparate reporting tools and KPIs, resulting in inconsistent reports. They wanted a modern data platform to set a company standard. Additionally, there was a lack of confidence in their data due to the absence of a single source of truth. The upkeep of Tableau had become both cumbersome and expensive, leading to technical debt. The company sought a reporting solution that would ensure consistency throughout the entire organization.

SOLUTION

3Cloud delivered a robust, governed and ad-hoc reporting capability by leveraging an Azure Modern Data Platform with Power BI, and set up the Azure environment to enable a smooth transition from on-premises databases. We showcased the capabilities of Power BI compared to Tableau, initially collaborating with one business group and moving to work with other business areas across the entire organization to help drive adoption. Our initial focus was on a Performance Dashboard (focus on efficiency), Rig Scorecard (for offshore rigs) and financial reporting.

Our team worked with the client to centralize their data and reporting using Power BI, creating models with standardized definitions to enhance governance and speed up the report development process. 3Cloud migrated legacy reporting solutions to more scalable, enterprise grade engineering processes

⭣ SCROLL TO VIEW THE RESULTS

in Azure and Power BI. In addition, we established a CI/CD (Continuous Integration/Continuous Deployment) environment, leveraging build and release pipelines through Azure DevOps. This not only facilitated faster and more consistent deployments but also contributed to improved report accuracy and compliance with Sarbanes-Oxley (SOX) requirements.

RESULTS

By migrating this prominent oil and gas company to the combination of Azure and Power BI, we set up a transformative shift. The move enabled the client to eliminate expensive legacy systems such as Tableau and Compass ERP, improving cost efficiency.

The implementation of centralized models within Power BI helped to address lingering data quality concerns. This not only ensured a foundation for data integrity but also laid the groundwork for improved decision-making capabilities and accelerated insights. A streamlined analytics process resulted in a substantial enhancement in the overall efficiency of the organization's decision-making framework. The development of the Performance Dashboard and Rig Scorecard used by offshore drilling rigs allowed the company to reduce onshore maintenance resourcing needs by a staggering 70%.

Lastly, our engagement improved General Ledger (GL) reporting. By implementing optimized processes and leveraging the capabilities of Azure and Power BI, we successfully trimmed down the financial month-end close process from 10 days to a significantly more agile and responsive 5 days. This not only represents a quantitative improvement but also translates into a qualitative enhancement in the organization's financial reporting accuracy and timeliness.

CLIENT PROFILE

Large oil & gas company facilitating offshore drilling.
Annual Revenue: $3B
Employees: 6,600
Innovation Focus: Data & AI