

AIM Application Apache Beryl Alpha Platform



Apache's adoption of AIM™ inspection service on the Beryl Alpha platform has significantly reduced offshore inspection hours of the topside structure whilst enhancing the quality and availability of inspection data. The overall offshore inspection times were slashed from six months to just six weeks, whilst the inspections costs were reduced by more than 20 per cent.

AIM

Transforming inspections – reducing risk and costs

Gaming technology was used to create a baseline geometric digital twin of the Beryl Alpha platform to sufficiently capture inspection data, without the need for rope access work. More than 60,000 images, including 360° panoramic views, captured ultra-high-resolution inspection data. These enhanced records have contributed to improved reporting reliability and the 3D model-based tablet application, which in the future, will help Apache on its journey to adopting a digital approach for the platform.

20%

reduction in
inspection costs

25%

reduction in reporting time

30%

reduction in team size

Key Benefits

Risk reduction through less time at site and reduced time working at height

Reduced inspection costs by more than 20 per cent

Overall offshore inspection times reduced from six months to six weeks

Improved safety by replacing high risk offshore working at height inspection methods with the application of remote visual inspection tools

Secure and cloud based with data available anytime and anywhere

“Deploying AIM™ achieved the requirements of our inspection plans while significantly reducing the risk profile of the activity. The enhanced data capture and storage within the 3D model has aided our post-inspection review by removing any ambiguity and enabling users to challenge information beyond what is captured in reports. We can see opportunities of this data enhancing the quality and efficiency of our inspection plan going forward and is already aiding day to day communications.”

Jim Saunderson,
Integrity Manager for Apache's North Sea Operations

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