



Case Study

Safe Maintenance Operations via Electronic Work Permits



Client

The client is a global Oil and Gas conglomerate with activities in the transport, logistics, and energy businesses with a fleet of over 150 vessels and a peak production capacity of over 500,000 barrels per day.



Challenges

- ✓ **Safety:** reduce the likelihood of a major accident and increase the overall safety and efficiency of maintenance practices for offshore organization.
- ✓ **Delays with Physical Work Permits:** due to the non-digitized nature of the process, there were multiple checks required before issuing a work permit and handling hard-copy PTW. There was no access to standard maintenance procedures and engineering drawings.
- ✓ **Planning and Scheduling issues:** maintenance crews faced issues with concurrent work permits getting issued for the same location, leading to delays in work and re-scheduling.



LTIMindtree Solution

- ✓ Assessment of existing manual work permit processes and pain points.
- ✓ Establishment of enhanced processes to be configured in eVision PTW (Permit to Work), COW (Control of Work), and Barrier Management modules.
- ✓ Configuration for Mobility, Interactive P&ID and Plot Plans, Handover, Isolation, and Barrier Management.
- ✓ Implementation of eVision ePTW modules across the client sites.
- ✓ Implementing the requisite Change Management processes and trainings.
- ✓ Integration with ERP, Historians, Primavera, GIS/ESRI, and Document Management Systems.
- ✓ A solution supporting localized regulatory standards, including: Deltalinqs, UK HSE, HSG250, HSG253, NOGEP, NOROG, OIAC, OGP, API, APPEA, AS/NZS and NEN/ISO.



Business Benefits

50%

Reduction in cycle time for preparation and issue of work permits.

Reduced overall risk by improved RAM (Reliability, Availability and Maintainability), ORM (Operational Risk Management), and Barrier Management.

100%

Compliance with all safety norms.

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