



Transforming Asset Risk Management Across Critical Energy Infrastructure with Asset Infinity

CLIENT PROFILE

A large Oil & Gas organization managing critical assets across multiple locations faced challenges in controlling asset risk effectively. Operating in a safety-critical environment, the organization struggled with limited visibility into asset condition, rising unplanned downtime, and growing compliance pressure. These challenges are common across the Oil & Gas sector, where asset failures can lead to severe financial, environmental, and regulatory consequences.

CHALLENGE

The organization encountered several key challenges:

- Limited visibility into asset condition, leading to delayed identification of failure risks.
- High unplanned downtime caused by reactive maintenance and missed early warning signals.
- Inaccurate asset valuation impacting insurance alignment and financial exposure.
- Difficulty in maintaining audit-ready compliance records across distributed assets.



OIL & GAS
OIL & GAS
OIL & GAS



SOLUTION

The client implemented Asset Infinity's modules, tailored to address asset risk management challenges in safety-critical operations.

The focus was on:

- **Enhanced Asset Visibility:** Centralizing real-time asset condition and risk indicators across operational sites.
- **Proactive Maintenance Intelligence:** Using maintenance history and trends to identify high-risk assets early.
- **Continuous Asset Valuation:** Keeping asset values updated to align with insurance and financial exposure.
- **Centralized Compliance Management:** Digitizing inspections, certifications, and audit evidence with full traceability.

SUMMARY OF BENEFITS

- **30% Reduction in Unplanned Downtime:** Early detection of asset risks reduced unexpected failures and operational disruptions.
- **Faster Incident Response:** Centralized asset history enabled quicker decision-making during critical events.
- **Improved Insurance Alignment:** Accurate asset valuation reduced coverage gaps and financial exposure.
- **Stronger Compliance Readiness:** Audit preparation time reduced through centralized and traceable records.
- **Improved Risk Forecasting:** Historical condition and maintenance data helped identify high-risk assets before failures occurred.
- **Lower Financial Exposure:** Proactive risk controls reduced losses from emergency repairs, penalties, and unplanned shutdowns.



CONCLUSION

The introduction of Asset Infinity transformed the organization's approach to asset risk management.

Improved visibility into asset condition and risk exposure enabled proactive decision-making, reduced downtime, and strengthened compliance. This case study highlights how effective asset risk management systems are critical for operational resilience in Oil & Gas and other safety-critical industries.

