

Case Study

Enhanced Asset Management with IoT-based Single Platform for Oil & Gas Major



Client

The client is a subsidiary of an internationally recognized oil and gas major with expertise in oilfield services and supply, production, completion, drilling tools, material handling, and precision machining.



Challenges

Being a capital-intensive industry, it becomes extremely critical for Oil & Gas companies to ensure that their assets have high utilization and efficiency resulting in increased productivity and decreased downtime. This requires efficient asset management. Our client was also looking for such a platform equipped with the following features:



An operator-friendly platform for visualizing field device parameters to understand asset status and conditions.



An environment suitable for quickly ingesting device data which would define KPIs and provide effective visualization using dashboards.



Device onboarding and end-to-end sensorization.



Device and platform security operations.



LTI Solution

LTI has worked with some of the world's leading oil and gas companies. We leveraged our domain and IoT technical expertise, coupled with AWS capabilities, to develop an Intelligent Asset Management Solution having the following unique features.

An end-to-end platform with a cloud-based multi-tenant solution; utilizing a custom hardware gateway.



Alerts and notifications for the platform's threshold-based alarm configurations and triggers with clear action settings.



Remote device management with features like device onboarding, setting configuration, and pushing new device configuration.



Powerful insights through real-time asset status and custom dashboards.



Role-based feature access for smoother onboarding and user management.



Asset hierarchy for device mapping and asset parameter configuration.





Business Benefits



80% improvement in asset onboarding time



10-12% reduction in unscheduled maintenance



12-15% increase in asset utilization



Adherence to safety and compliance regulations



Reduction in operational cost through Improved asset life and utilization

LTI (NSE: LTI) is a global technology consulting and digital solutions Company helping more than 495 clients succeed in a converging world. With operations in 33 countries, we go the extra mile for our clients and accelerate their digital transformation journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivalled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 46,000 LTItes enable our clients to improve the effectiveness of their business and technology operations and deliver value to their customers, employees and shareholders. Find more at <https://www.Intinfotech.com> or follow us at [@LTI_Global](https://twitter.com/LTI_Global).