Case Study

Connected Pump for Leading Pump Manufacturer in US
**Client**

The client is a US-based multinational corporation, and one of the largest suppliers of industrial and environmental machinery, such as pumps, valves, end face mechanical seals, automation, and services to the power, oil & gas, chemical and other industries.

**Challenges**

To optimize the fleet utilization and implement predictive service management, leveraging Telematics data.

- Enable Global field service team to engage better with their Aftermarket Portal.

- Invest at an increased pace in R&D initiatives to improve the user experience of their customer plant operators and maintenance technicians.

- Initiate an IoT Program to build a reference architecture to enhance customer relationship through Proactive post sales, and improved products and respective service by leveraging Industrial Internet of Things (IIoT).

**LTI Solution**

- Real-time condition monitoring of pumps, with time to predict failures.

- Predictive analytics allowing service prioritization, better outage and spare parts planning.
Due to large install base, a thoughtful design was proposed with a Technology-agnostic Microservices Architecture, that enables integration with multiple platforms, historians, and enterprise systems.

One solution that could be deployed on both on-premise and on-cloud.

LTI Solution

- 99% availability of assets
- 8% reduction in unscheduled maintenance
- 12% reduction in production downtime

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