

SAP LEONARDO SOLUTION: WELL PERFORMANCE DASHBOARD

Enabling wells to recommend and automate maintenance decisions

Function: Production | Process: Upstream | Industry: Energy

Application Overview

Capital expenses and operating expenses have outpaced the price of crude oil. In response, energy companies are looking for more productive and cost-effective production and development.

How can we reimagine the future of well operations with digital technologies? Can we enable the well itself to become an engine for driving better, faster and more automated decisions?

The Well Performance Dashboard is an SAP Cloud Platform-based production management dashboard to answer those questions. This dashboard uses advanced analytics and visualization to monitor production levels, identify issues, provide recommendations, provide the ability to automate trusted actions to act on those issues and monitor the outcome.

Solution

The Well Performance Dashboard combines multiple elements of SAP technology to show how the core SAP S/4HANA ERP system can be extended with emerging technology components including Internet of Things (IoT) sensors, predictive analytics libraries and the SAP Analytics Cloud.



Business Value

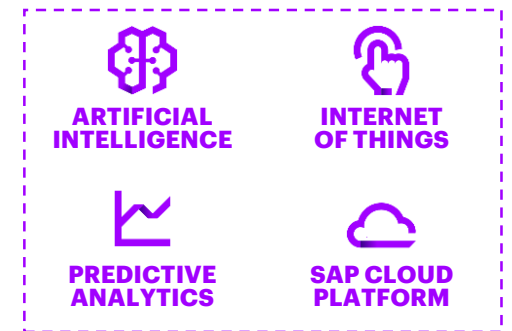
- Reduced operating expenses and increased production by digitizing the upstream process.
- Leverage suite of SAP applications to extend the core with actionable items.
- Use predicative services, dashboarding and connected work instructions to centralize monitoring.

Features

- Built with SAP Leonardo and SAP Cloud Platform.
- Uses advanced analytics and visualization to monitor production actuals versus forecast and identify cost-effective opportunities to minimize deferment.
- Integration to SAP S/4HANA for work order creation and monitoring.
- IoT integration and data feeds to connected workers.

Technologies in Use

- SAP Cloud Platform
- SAP Leonardo IoT Services
- SAP Analytics Cloud
- SAP Leonardo Predictive Analytics



[Click here](#) to watch the video.