Prenscia ^{HBM}
Solutions

Deeper Knowledge Reduced Maintenance and Operational Costs for Oil & Gas Production

Challenge
Reduce downtime and maintenance costs, increase production, and reduce flaring.

Solution
Implementation of an Asset Reliability Management system, linked to Maximo CMMS. Client was also trained in reliability methods and software.

Results
Robust monitoring and reliability analyses increased output and minimized financial losses resulting in $110M of savings over 5 years.

Prenscia Solutions worked with its client to implement an Asset Reliability Management System and empowered them to improve their failure data collection and analysis process — delivering increased output, optimized maintenance, and reduced operational costs.

nCode *ReliaSoft*

The Challenge

Common to the Oil & Gas industry, our client faced high volumes of reactive maintenance cases and associated high costs.

In addition, they faced high flaring due to equipment/process emergency shutdowns which resulted in loss of production and negative environmental impact.

The Solution

Prenscia Solutions worked with the client to implement an Asset Reliability Management System, which included RCM tools, and RAM analytics.

Engineers were trained in reliability software and methods to enable an improved failure data collection process.

Together with the client, Prenscia Solutions built a Digital Twin of the operation, investigated various operational profiles and maintenance strategies for the individual equipment and various configurations.

The Results

Observed failures and repairs allowed their process to be modeled for reliability and maintainability, and the "bad actors" identified.

By implementing various changes to their operational profiles and maintenance strategies, the client realized savings of $110M over 5 years.

Reduced incidents of flaring results in less associated environmental consequences.

About HBM Prenscia Solutions

HBM Prenscia Solutions ensures customer success through value-driven solutions for product and process development, and operational monitoring. We are a multi-disciplinary team with expertise in failure analysis; predictive analytics and modeling for reliability, durability, and deterioration; asset health and usage monitoring; prognostics; development and testing of embedded software to deliver robust solutions to our global clients. Our team of engineers, analysts, software developers, data scientists, and program managers, many holding United States Government security clearance, are readily available to provide technical expertise and deliver value-driven solutions. For more information, please visit www.hbmprenscia.com/solutions

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