

Leverage the IIOT for a Comprehensive Enterprise Asset Performance Management Strategy

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The rise of the Industrial Internet of Things (IIoT) has led to a rapid growth of industrial data available through smart sensors and connected devices. This volume of industrial data offers an opportunity for organizations to derive actionable insights from this information. An Enterprise Asset Performance Management (APM) platform allows companies to leverage their data to optimize maintenance, reduce unscheduled downtime and increase asset availability.

A comprehensive Enterprise APM platform integrates data collection, predictive analytics, mobile workforce enablement, advanced data visualization tools and other capabilities with open architecture for ease of integration with existing systems. These solutions allow companies in the downstream oil and gas industry to leverage the IIoT to enable their transition from a reactive to a proactive maintenance strategy, thereby improving the reliability of refining process equipment, resulting in improved safety and greater profitability.

Using Enterprise APM, organizations are able to increase access to information across the business, predict problems before they occur and efficiently resolve them through advanced workflow scheduling for continuous operational improvement. In addition, defining the best way to manage assets is a key success factor in achieving business objectives and a comprehensive Enterprise APM platform allows refiners to know on which assets to focus and which information is essential to drive action. As organizations look to optimize and streamline their maintenance organization and reduce overall cost of maintenance, Enterprise APM offers the ability to improve collaboration of people, processes and equipment to maximize economic return on assets.

This presentation will review best practices, methods of implementation and real world applications. One case study example will examine how Western Refining implemented an asset performance management solution to reduce costs, optimize maintenance and improve efficiency