

Case: Blow Out Preventers

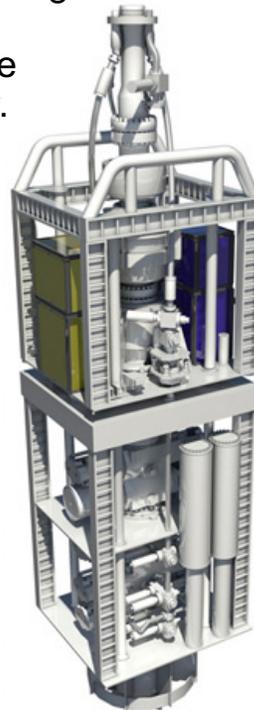
UReason creates more than 10+ million of value for one of the world largest producers for specific equipment in the oil & gas industry.

The Situation

One of the leading producers of blowout preventers (BOP) is using UReason APM Studio for preventing failures. BOP's are designed for safety at oil and gas production. The BOP is a large valve at the top of a well that can be closed if the drilling crew loses control of oil or natural gas while drilling or performing a work over. If these fluids manage to enter the wellbore, they may threaten the safety of the rig and crew. The customer sells its products to Rig Fleet owners, who deliver directly to the Oil & Gas companies.

The Challenge

With drilling operations becoming more complex, well control is vital for operations and personnel safety on the rig. In today's challenging environment, it is important for drilling and completions teams to focus on reducing non-productive time (NPT) during well construction by controlling and enhancing operational integrity and efficiency.



The Solution

UReason offered APM Studio as an OEM embedded solution. Based on this solution, customer was able to provide their own monitoring system, that administers mission critical information for real-time monitoring and emergency mitigation. Monitoring the alarms and events of the condition in BOP equipment provides access to crucial details about performance and reliability. This presents drillers with new insight to proactively manage operations which is essential for maximizing operational uptime.

The Benefits

The Monitoring System offers the most value to aid in preventing failures, reducing downtime, and extending the operational life of subsea BOP equipment. In addition, it is used as an archival tool for reviewing all historical alarms and position changes to help to identify predictive maintenance activities as well as a tool for forensic purposes.

Reducing NPT by monitoring health of all BOP components and prompting proactive preventive mechanisms, has the biggest impact. 1% increase in availability, will lead to \$2,85 million of annual savings. Customer claims an improved availability of the BOP system up to 98%.