

ABB's ETO Solutions for Permian Basin Operators

A case study



ABB's ETO solutions provide a tailored approach to addressing the unique challenges faced by operators in the Permian Basin and beyond.

Measurement made easy

Introduction

The customer in this case study stands as one of the most active operators in the Permian Basin, a prolific oil and gas region spanning West Texas and New Mexico. With ambitious goals, they aim to escalate their total daily production to an impressive 1 million oil-equivalent barrels by in 2024. Such aspirations underscore the customer's prominent position in the industry and their commitment to growth and efficiency.

The Challenge

To achieve their ambitious production targets, the customer faced a significant challenge. Their plan involved a substantial increase in well count, scaling up from 60 wells per year to over 225 wells annually. This escalation demanded a monumental effort, all while striving to minimize man-hours and streamline operations. Meeting this challenge required innovative solutions that could optimize efficiency without compromising safety or quality.

The Solution

In response to the customer's challenge, ABB's ETO (Engineer-to-Order) team collaborated closely with the customer to devise a tailored solution. Recognizing the need for a comprehensive, turnkey approach, the solution was designed based on the required well count per site. This ensured that every aspect of the automation system was optimized to support the customer's operational objectives.

Central to the solution was the implementation of a drill schedule, meticulously coordinated with manufacturing processes. By staying a month ahead in production, potential delays were mitigated, ensuring seamless deployment without disrupting the customer's operations.

This proactive approach to planning and execution minimized downtime and maximized productivity, aligning perfectly with the customer's objectives.

The Benefits

The adoption of ABB's ETO solution delivered a host of benefits to the customer:

Streamlined Installation: The turnkey, skidded package provided by ABB eliminated the need for internal construction, saving valuable time and resources. With pre-assembled components ready for deployment, installation time was significantly reduced, minimizing disruptions to ongoing operations.

Reduced Man-Hours: By leveraging automation and optimizing processes, the solution effectively reduced the customer's reliance on manual labor. This not only enhanced operational efficiency but also decreased labor costs, contributing to overall cost savings.

Enhanced Operational Efficiency: With a comprehensive solution in place, the customer benefited from improved operational efficiency across their entire production process. From drilling to extraction, each phase was optimized for maximum output, empowering the customer to achieve their production targets with greater ease and reliability.

Cost Savings: By streamlining operations, reducing man-hours, and minimizing downtime, the ETO solution delivered tangible cost savings for the customer. This not only improved the bottom line but also enhanced the overall competitiveness of the customer's operations in the Permian Basin.

Conclusion

In conclusion, ABB's ETO solutions provide a tailored approach to addressing the unique challenges faced by operators in the Permian Basin and beyond. By combining innovative technology with proactive planning and collaboration, ABB empowers customers to optimize their operations, achieve their production goals, and drive sustainable growth in today's dynamic energy landscape.

For more information on how ABB's advanced solutions can benefit your operations, please contact us at new.abb.com/contact/form#.



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