Woodside Energy Makes Safety the Standard with Prometheus ePAS

Company

🏢 Woodside Energy

📍 Perth, WA, Austrailia

🏭 Oil and Gas

Goals

- Standardize safety solution across all facilities.
- Gain full control of workflow rules.
- Acquire robust functionality for permitting, isolation management, and risk assessment.

Results

- 1.5x more hazards identified and 4x more hazard controls identified.
- Isolation scheme preparation time reduced from six hours to 15 minutes.
- Internal process documentation reduced by 98%.
- Permit-related incidents have fallen from 60% of total incidents to less than 20%.

Woodside Energy Makes Safety the Standard with Prometheus ePAS

WOODSIDE ENERGY

Woodside Energy is Australia's largest publicly traded oil and gas exploration and production company and is recognized as world-class in both. It is headquartered in Perth, Western Australia, and is one of the world's leading producers of liquefied natural gas. Woodside operates offshore and onshore production facilities and employs several thousand people. Woodside is known for strong safety and environmental performance and is committed to upholding values of integrity, respect, working sustainably, discipline, excellence, and working together.

CHALLENGES

Before adopting Prometheus ePAS (electronic Permitting Administration System) as its integrated safe system of work (ISSOW), Woodside used a paper-based permit-to-work system to manage the safety of activities in each of its facilities. Each system was different, and no centralized governance existed to standardize processes across sites. Woodside saw a clear need to replace the inconsistent paper permit systems and to introduce a common set of business rules to govern work management. Woodside wanted to implement an electronic permit-to-work system to solve these problems.

REQUIREMENTS

When selecting an electronic permitting solution, Woodside had the following criteria:

- Implement one standardized system designed for use across a wide range of facility types.

- Select robust system spanning permitting, isolation management, and risk assessment designed to improve safety performance and help protect facilities from incident.

- Select a system that allowed for written rule sets to be built into the workflow, reducing the need for excessive paper documentation and opportunity for misinterpretation of the rules.

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> *"In every aspect of the solution, our intent was to make it as easy as possible for people to do the right thing."*
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> — Ally Oliver, Operations Manager, Woodside Energy

SOLUTIONS

Woodside found its ideal solution in Prometheus ePAS, and implemented ePAS' standardized work safety processes across the enterprise. This standardization was extremely important to Woodside for the following reasons:

- Each facility was no longer required to develop and maintain their process, but focus only on meeting the requirements of the new, standardized system.

- ePAS is easily scalable, so lessons learned and subsequent improvements could easily be applied across the organization. Additionally, new facilities would have a plug and play system, and wouldn't have to put in initial work to develop something new.

- The standard, electronic permit system could be easily audited.

- Reporting was enhanced since Woodside could now benchmark its performance against worldwide systems and metrics.

- It would be easy to move core personnel around the organization, since standardization and training would eliminate the system barriers encountered site-to-site.

RESULTS

Woodside rolled out Prometheus ePAS to more than 4,000 users across its offshore and onshore oil and gas production facilities, and has achieved the following improvements:

- Building business rules in the software workflow and standardizing permit rules companywide reduced system process documentation by 98% (from 5,000 pages to 100 pages), adding clarity, and ensuring alignment to processes.

- Significant efficiency gains from the ability to re-use isolation schemes and routine duties has reduced isolation scheme preparation time from six hours to 15 minutes and increased productivity and consistency for routine tasks.

- Permit-related incidents have fallen from more than 60% of total incidents to fewer than 20%.

- ePAS identified 1.5x more hazards and 4x more hazard controls than Woodside's paper system while simultaneously reducing the time required to prepare hazard assessments.

- Reducing the possibility of human error has increased security of isolation schemes, permit hierarchy, and work control while allowing lessons learned to be applied as updates across the enterprise. This has created a feedback loop that allows for continuous improvement.

- Prometheus ePAS allowed Woodside to standardize its entire organization while ensuring the safety of all staff. It has reduced the scope for human error, thus reducing risk for the organization. Overall, ePAS has enabled Woodside to meet its goal of making it as easy as possible for people to do the right thing.

Learn more about how Prometheus Group can help your organization today.

CONTACT US

About Prometheus Group

Prometheus Group is a leading global provider of comprehensive and intuitive enterprise asset management software solutions that work within ERP systems and span the full work management life cycle for both maintenance and operations. Developed jointly with end users, Prometheus software enhances the customer experience for planning, scheduling, and executing work for both routine maintenance and shutdowns and turnarounds, all while protecting the workforce with safety solutions and electronic permit to work. Our straight-forward functionality, graphical visualization, and simple processes enable customers to increase productivity, reduce costs, and improve reporting. For more information, please visit www.prometheusgroup.com.