

CASE STUDY

Chevron Uses Prometheus Planning & Scheduling, MDG, and Analytics for Success in S/4HANA



PROMETHEUS GROUP



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Company



Chevron



Houston, TX



Oil & Gas

Challenges

- Multiple systems and no single source of truth for maintenance and operations.
- Did not have a system that was designed for complex scheduling.
- Needed more accurate asset master data to increase efficiency and safety.
- Wanted to perform a successful digital transformation to SAP S/4HANA.

Results

- Able to make faster, more informed decisions based on accurate master data.
- A scheduling process that used to take 4 days can now be completed in a day or less.
- Now have one single source of truth in SAP S/4HANA with Prometheus integrations.
- Has been able to successfully support a move to S/4HANA with the help of Prometheus tools.

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ABOUT CHEVRON

Chevron is an American multinational energy corporation that produces products such as gasoline, diesel, marine and aviation fuels, premium base oil, finished lubricants, and fuel oil additives. They have 5 major refineries in the U.S. located in El Segundo, CA, Richmond, CA, Salt Lake City, UT, Pascagoula, MS, and Pasadena, TX, as well as two LNG sites in Australia.

CHALLENGES

As a large corporation, Chevron recognizes the importance of digital transformation in the enterprise asset management space in order to keep their maintenance and operations efficient. In the past, they attempted a digital transformation, but it was unsuccessful. In their previous attempt at a digital transformation, they didn't bring in maintenance end users as subject matter experts, which prevented them from getting deeper insights into what would be needed for technology to help streamline their daily activities. However, despite their first attempt being unsuccessful, they still knew that digital transformation would be the key to their ongoing success.

With multiple disparate systems, and incongruent asset management processes across global sites, Chevron kept seeking a way to achieve an integrated, unified single source of truth for their ERP system.

Some challenges they wanted to solve included:



1 Multiple Systems and No Single Source of Truth for Maintenance and Operations:

In 2020, Chevron had 4 legacy ERP systems that they were unable to connect other systems (e.g. their asset performance management tool) to no matter what tool they used. For activities like maintenance planning and scheduling, they were exporting data into spreadsheets, reconfiguring the excel spreadsheet, sharing it with teams, and making further adjustments to the schedule in the spreadsheet after the team's review.

Due to these challenges, they identified that they needed a solution that all of their sites could use, that provided more standardized processes, information sharing, and efficiency for all of their teams.

2 Did Not Have a System That Was Designed for Complex Scheduling:

While Chevron's move to SAP S/4HANA allowed them to solidify a single source of truth, the planning and scheduling capabilities of their S/4HANA system were limited for the things they wanted to achieve with their planning and scheduling. Chevron needed a planning and scheduling solution that enabled them to simplify, automate, and streamline their planning and scheduling to improve production efficiency and asset reliability.

This caused them to seek out a solution that enabled them to plan and schedule their maintenance, while maintaining SAP as their single source of truth. To do this, they needed a solution that integrated with SAP seamlessly and one that adapted to any changes within the SAP environment.

3 Needed More Accurate Asset Master Data to Increase Efficiency and Safety:

Each of Chevron's sites vary in size and process. This led to them having different asset hierarchies and ultimately differently structured master data across each of their sites.

Through their past attempts at digital transformation, Chevron knew master data governance would be key to their success, especially for them to create a global standardized master data hierarchy. A solid master data foundation would ensure that they would have data they could trust in all of their maintenance and operations activities to achieve their overarching goals to improve maintenance efficiency and reliability and be able to make informed decisions quicker.

4 Wanted to Perform a Successful Digital Transformation to SAP S/4HANA:

When considering a move to SAP S/4HANA, Chevron determined that to achieve maximum success, they needed to use a combined approach of SAP S/4HANA, native SAP tools, Prometheus Planning & Scheduling, Prometheus Master Data Governance, Prometheus Reporting & Analytics, and Prometheus Mobility.

This provided them with ability to structure their master data in preparation for the move to S/4HANA utilizing MDG and allowed them to also sustain their data after the move. To perform advanced scheduling and work management, they leveraged Planning & Scheduling and Reporting & Analytics.

"Prometheus being a preferred partner with SAP has proven to be value added. As the S/4HANA product evolves, the connected tools provided by Prometheus are also adapted in a timely manner."

- Wes Eubanks, Maintenance Specialist, Chevron

SOLUTIONS

Chevron started an internal group called FIRM (Facilities Integrity Reliability Management), whose mission was to deliver business value transparency on high consequence equipment. In order to do this, they knew they needed solutions that enabled information sharing across departments and across sites, as well as transparency of maintenance processes. They identified four Prometheus solutions that helped with this goal:



Master Data Governance

When Chevron chose to move to S/4HANA, they decided to use Master Data Governance (MDG) to help them standardize their master data across business units. MDG helps them maintain consistency across their enterprise data through creating an approval workflow process when new assets, materials, or other data needs to be added into their system.



Planning & Scheduling

Chevron discovered that Prometheus Planning & Scheduling was designed to easily integrate with the SAP environment to allow capabilities like weighted scheduling priority, tiered auto-leveling, and shift management, which were some of the many advanced features Chevron was looking for.



Reporting & Analytics

To measure results, Chevron wanted an easy-to-use tool to track metrics and configure KPIs. They chose Prometheus Reporting and Analytics to provide them with deeper insights into their maintenance and reliability performance. This way, they could look at their KPIs and analyze where they were and where they planned to go.

RESULTS

This digital transformation was a large undertaking and initially, Chevron did run into resistance to change from their teams. However, one year after implementation of S/4HANA and Prometheus tools like MDG, Planning & Scheduling, and Reporting & Analytics, their teams don't want to live without the tools.

With the Prometheus Planning & Scheduling, Master Data as a Service, and Reporting & Analytics, Chevron was able to achieve each of their digital transformation goals and gain the following results:

- Able to make faster, more informed decisions based on accurate master data.
- A scheduling process that used to take 4 days can now be completed in a day or less.
- Now have one single source of truth in SAP S/4HANA with Prometheus integrations.
- Has been able to successfully support a move to S/4HANA with the help of Prometheus tools.

"I can pull up scheduler right now for any facility and I can find a job, look at where it's at and see the impact on resources quickly without having to click in or dive in. The Prometheus Scheduler provides more information that is visibly usable in an instance than any other scheduling tool that I've seen."

- Wes Eubanks, Maintenance Specialist, Chevron

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

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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.