

# Integration Services Case Study: Large Oil and Gas Company Plant Maintenance

## PROJECT AT A GLANCE

COMPANY

**Public Listed**  
**Fortune 500 National Oil &  
Gas Company**

## Services Provided

- Review of the company practices and developed integrated best practices
- Implemented SAP- Primavera P6 Integration to 45 business units
- Realized true benefits of Integrating Plant Maintenance (SAP) with Planning & Scheduling (P6) **in Real Time**

## Products Used

- Oracle Primavera P6 EPPM
- Insynchro's Integration Manager
- SAP ECC6 Plant Maintenance
- webMethods Integration Server

## 🔍 Overview

A Fortune 500 public-listed global energy and solutions company, our Client is a fully integrated international oil and gas company.

One of the growth areas for the Client is its downstream business. Being one of the largest producers of methanol, ethylene glycol and urea in the region, the Client owns and operates a significant number of refineries.

Our Client has always adopted technology to bring more efficiencies into their operations. In this instance, the client was looking to standardise and improve its maintenance and turnaround processes of the vast number of refineries. The goal was to bring savings of multi million dollars through reduced turnaround time and effort across more than 45 business units with technology innovations.

## ! Challenges/ Key Pain Points

The client wanted a solution that could be standardised across its multiple operating business units while still being able to cater to the specific requirements of each operating business unit.

Insynchro had already helped the client to standardise the use of Oracle Primavera across the entire group and was used by the client for its maintenance and turnaround activities. However, there were still many manual intervention of data transfer between the scheduling solution and the ERP system which was time consuming and prone to multiple errors.

Some of the challenges that were to be addressed include, the absence of end to end automation of data flow between the scheduling solution and the ERP solution and to review the current process of manual reconciliation using Excel and the inability to obtain one source of truth as there was no consolidated view of the data from both systems.

## ⚙️ Solution

Given the complexity, coordination and precision required on a project of this scale, Client required a solution that was tailored to their unique needs while maintaining their existing investment in the scheduling and ERP solutions.

The processes of all its business units were reviewed and improved while the planned rollout was agreed upon with the Client team to ensure a well structured implementation.

The Oracle Primavera P6 EPPM schedules were standardised and Insynchro's Integration Manager was used to integrate with their SAP Plant Management System. This helped facilitate a single source of truth and reporting and eliminate any manual intervention.

The ability to accommodate the process flow of each business unit, mapping of data flows between the solutions provided a consolidated view. It was of paramount importance that the design of the solution allowed for the flexibility to add additional business units.

## ✓ Result

- Standardized Practices for Plant Maintenance across multiple business units.
- Fully automated solution with zero manual intervention.
- Comprehensive audit logs for tracking of information movement to rapidly diagnose issues and data mismatch.
- Consolidated view of each business unit performance and overall view across all business units.
- Significant reduction in planning for the Plant maintenance and turnaround event.
- Millions of dollars in savings with reduced downtime due to accuracy of the information and improved efficiencies.