

Case Study: Maximizing Scheduling Effectiveness for All Disciplines Across the Entire E&P Organization



After many years of organic growth, and a series of acquisitions, a leading US E&P Company was confronted with the harsh reality that their efficiency and revenues were being negatively impacted, because as they had grown so did their number of well delivery scheduling methods. With every new acquisition having its own way of scheduling, the Company had no single, uniform way to schedule their operations across drilling, completions, and facilities disciplines. At the same time, big data was coming to the forefront in the industry, which reinforced the need for a central scheduling platform.

Faced with this challenge, the Company explored 5 different scheduling software solutions, including a custom-built in-house application. Based on its data model, visualization capabilities, ease of integration, ability to run multiple scenarios and compare analytics plus more, the Company selected Actenum's scheduling software, **Actenum DSO for Upstream**.

Rapid implementation

The company's initial goal was to schedule only drilling and completions using the Actenum solution. However, after starting a pilot program with one business unit, 3 months later all business units within the company were using the Actenum software. In record time, the Company went from having disparate schedules to one version of the truth. It was the fastest discovery-to-implementation process the company had ever experienced. Additionally, for the first time, the Company had an enterprise-wide scheduling solution that provided management insight into all the activities going on across all business units.

One platform for all disciplines

As a result of implementing Actenum scheduling software, the Company benefitted from having drilling, completions, facility, and pipeline scheduling that was more accurate and took fewer people to manage. The Actenum solution allowed everyone in the organization to access a complete, single-source view of operations. Furthermore, the solution easily integrated into the Company's existing upstream applications.

Making informed decisions faster

The Company has found that one of the key benefits of Actenum's software is a reduction in the time it takes to make informed decisions. **Before Actenum, it took 8 engineers 2 weeks** to create and evaluate scenarios that would enable them to lock in their quarterly budget. **With Actenum, it took only 1 planning analyst and 2 engineers 2 days** to complete this exercise.

As well, prior to implementing Actenum, the disciplines of drilling, completions, and facilities worked in silos at the Company. Each would make changes to their specific schedules without the other knowing. As a result, each discipline would have to laboriously check with the others to determine the impact of the changes, and even then, operations sometimes became unsynchronized. Using Actenum, as the schedule changes, there is no need for these manual checks: everybody sees the composite schedule in real time, the impact of any change is reflected throughout all disciplines, and there is no more wasted time checking changes manually.

Fundamentally changing the way they worked

After only 3 months, Actenum scheduling software fundamentally changed the way the Company worked. With the software, the Company was able to create a comprehensive schedule that laid out well delivery tasks and resources so that everything was in one place and synchronized. Planning is now completed faster and more accurately, and the Company gains immediate insights into how changes to the schedule impact costs and other business goals. As a result, implementing Actenum was a gamechanger that will pay back in efficiency and productivity for years to come.

Actenum products are completely configurable and can model any type of workflow, activity, resource, and constraint.

"The problems we faced yesterday in scheduling are things we won't be remotely concerned with in the future because Actenum scheduling software takes care of it all for us."

-Company Scheduler

For more information

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