

Planning & Scheduling Optimization for Energy Companies

Oil and gas companies rely on sophisticated infrastructure to extract, transport, and distribute the energy they produce. From onshore to offshore and everything in between, keeping the operation going is critical to productivity—and ultimately—profitability.

When a disruption occurs, it's expensive. For example, a typical oil and gas company loses 32 hours of productivity each month due to unplanned downtime. Factoring in an average cost of \$220,000 per hour, annual losses for the company can add up to \$84 million.

With so much at stake, preventive and predictive maintenance is critical. Without a proactive strategy, uptime is always at risk.

Predictive maintenance: prevent, prepare, plan

IFS works with oil and gas companies globally, providing them with world-class planning and scheduling optimization (PSO) technology so they can anticipate and forecast for the future. And not just for a week at a time. IFS extends PSO as much as a year ahead, with accurate simulations to help you prepare for whatever lies ahead.

In our work with energy organizations, we understand the unique challenges the industry faces, with operations stretching across country sides and oceans. Transporting a certified technician to an offshore or remote worksite must only happen once, and they must arrive with all of the necessary tools and parts. With such an expensive model, IFS PSO enables predictive maintenance practices that reduce unplanned downtime, as well as optimizing first time fix rates when a repair is required.



\$84M

Average annual loss due to unplanned downtime for oil & gas companies



Capacity planning & forecasting

With IFS PSO, capacity planning and forecasting ensures the company has the necessary resources and materials to operate efficiently and without disruption. IFS PSO includes the What-If Scenario Explorer (WISE), allowing you to test concepts before putting them into practice, with highly accurate predictions to help inform decision making.



Real-time scheduling

Adjusting schedules based on real-time activities is essential to an efficient operation. For example, if an emergency arises and there is only one qualified technician within range, the IFS scheduling engine dynamically shifts all worker commitments to free up the resource. This allows the technician to focus on the urgent scenario without interrupting regularly scheduled maintenance work.



Maintenance efficiencies

Predictive maintenance contributes to significant savings in resources and costs. By planning, scheduling, and resourcing maintenance activities in advance, IFS customers are able to make changes quickly and easily with no interruptions to productivity.



An integrated operation

For some of our customers, IFS PSO technology must work in concert with existing infrastructure to interconnect functionality and communication across all systems. These integrations are commonplace within most complex enterprise environments. IFS solutions are purpose-built to integrate seamlessly with established infrastructure, for a more responsive and agile operation.

Next steps

Planning and scheduling technology must be an enabler of resilience and agility, supporting each step within an effective predictive maintenance strategy. If your existing solution is constraining the business, then it's not doing its job.

IFS PSO works with oil and gas companies globally, delivering best in class planning and scheduling capabilities. With real-time scheduling, precise capacity planning, and accurate forecasting, your organization can confidently predict and prepare for the future.

For more information, [contact us](#) or [visit our website](#).



IFS develops and delivers cloud enterprise software for companies around the world who manufacture and distribute goods, build and maintain assets, and manage service-focused operations. The industry expertise of our people and of our growing ecosystem, together with a commitment to deliver value at every single step, has made IFS a recognized leader and the most recommended supplier in our sector.

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