

## Actenum: Solutions for the Petroleum Industry

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### Align production asset performance with corporate goals

Actenum software solutions enable you to effectively plan and optimize the operational performance of your production assets.

Using a powerful collaborative technology platform that represents key elements of your business processes and your constraints in an operational model, Actenum solutions consolidate the management of complex divisional business processes and objectives around your corporate goals.

Actenum solutions help you to coordinate staff and resources across organizational divisions in a way that drives costs down and production asset value up. By integrating the optimization of production asset operating metrics and financial parameters, Actenum solutions provide real-time feedback on the value of your decisions, and improve your response to changes and disruptions. And you can assess multiple strategies and scenarios, to ensure that the entire organization is driving towards delivering maximum asset value, with managed cost of delivery.

- Our customers typically obtain cost savings and production improvements worth millions of dollars within three to six months of acquiring our software. As well, operational planning cycle times are dramatically reduced, improving organizational efficiency.

### Achieve Sustainable Performance Improvement

- **Optimize resource allocation:** You'll be confident that you're making reliable decisions to ensure that the right resource is in the right place at the right time;
- **Reduce costs and quantify operational risks:** Proactively manage your production resources for minimum cost and maximum output, and assess the risks associated with various resource allocation scenarios, to determine the most appropriate course of action at any time;
- **Increase agility and coordination across organizational silos:** Actenum solutions bridge the gap between long-term ("slow loop") planning cycles, and short-term ("fast loop") operational scheduling management, providing support for scenario generation and predictive analysis, as well as fast and effective decision-making during daily operations.
- **Enhance disruption management:** Respond effectively to planned and unplanned disruptions and changes, so when profits are put at risk as a result of operational disruptions you can update schedules in real time—at the speed of business—rather than relying on slower, unreliable, manual approaches.
- **Improve collaboration:** Actenum solutions bring together different organizational units around a common application environment that focuses attention on corporate targets.

### Put the Power of Actenum Solutions to Work

- **Reservoir Depletion Planning:** From a set of possible wells, select the ones that optimize a given strategy or objective.
- **Operating Planning:** Given production targets, reservoir availability, and crude grades required, determine which wells should be drilled, and when. Establish priorities and equipment needs for wells, and evaluate the impact of the available rig fleet on the well selections and production targets.
- **Offshore drilling scheduling:** Schedule offshore platform drilling slots, well equipment, resupply vessels, helicopters, to maximize production and minimize costs.

- **Rig Management and Scheduling:** Select the wells for drilling and completion so that production targets are met at minimal cost.
- **Rig Fleet Management and Planning:** Given production and cost targets, determine how many rigs are needed, and of what type. Evaluate the capabilities of the available fleet in terms of drilling and completions. Determine the trade-offs of leasing additional rigs, and optimize the fleet against contracts, and penalties.
- **Preventive/reactive maintenance scheduling:** Actenum MPS creates maintenance schedules linked to production targets. Ensures that equipment is maintained appropriately and with acceptable level of risk, and aligns PM schedules with production goals.

## Contact us

To speak to an Actenum representative, or to schedule a demonstration, please contact us at 604.681.1262 x 224, or [info@actenum.com](mailto:info@actenum.com).