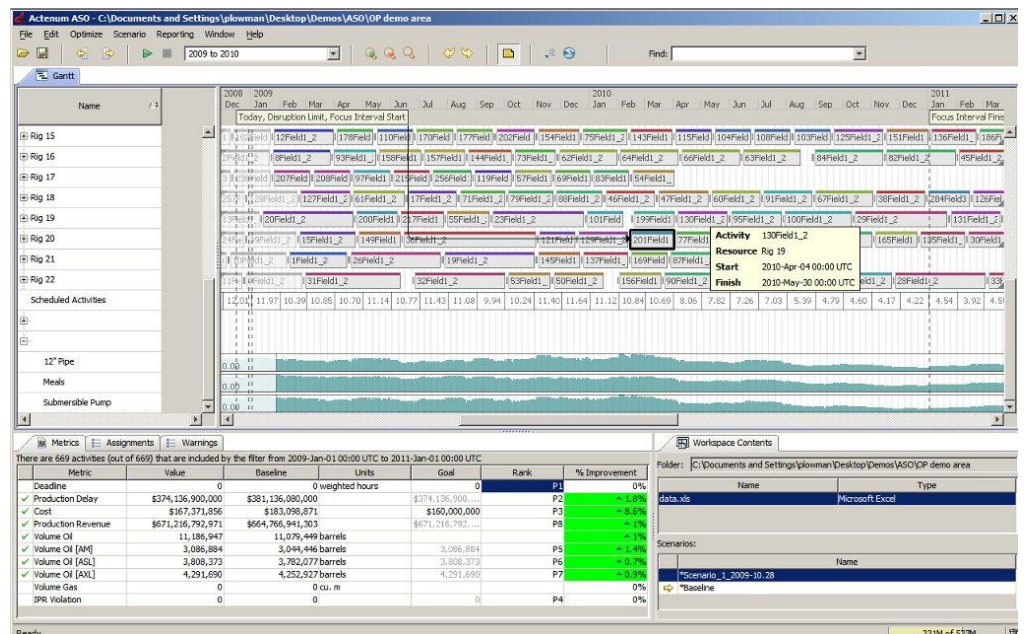


Simplified production planning and scheduling

Actenum DSO (Decision Support and Optimization) is a software application designed to simplify and improve production planning and scheduling. It enables you to:

- § Automatically allocate resources to activities in an optimal sequence, rapidly and reliably;
- § Make effective decisions about the best way to respond to changes and disruptions in your operations;
- § Focus on your targets as you create and evaluate plan/schedule scenarios, so that you can select the optimal alternative.



Optimal resource allocation

Actenum DSO automatically finds the best way of allocating resources to activities. Instead of working out plans and schedules manually using the limited support available in traditional software tools, you can use DSO's advanced optimizer to create multiple scenarios, while balancing tradeoffs and ensuring that all of your operational and business constraints are met. You simply prepare the input data, and Actenum DSO does the work.

Powerful decision support

Actenum DSO links scenarios to your performance targets, such as production output, costs, and cycle times. When you decide to update a scenario to reflect an operational change or disruption, you receive immediate feedback about the impact on your key performance indi-

cators, no matter how complex your operations are, or how much change and disruption you experience.

Focus on your targets

Actenum DSO's intuitive usability and predictive analytic features make it easy to prepare your production plan or schedule while you focus on your targets and use your expert knowledge to fine tune results. You no longer need to spend time and effort to manually recalculate outcomes each time you make adjustments: DSO handles all recalculations automatically. DSO also provides powerful "what if" evaluation capabilities, so that you can rapidly generate, assess, and score various resource allocation options, and select the optimal alternative. And DSO incorporates a 'goal seeking' capability that provides a fast way of generating optimal solutions that satisfy divisional and corporate targets.

Configurable to meet your needs

Actenum DSO is designed to address a wide variety of production planning and scheduling situations, while ensuring that organizational- and operational-specific decision support requirements are met. You can rapidly and effectively configure and deploy model-based decision support and optimization applications that handle your production operations. For example, you can use DSO to plan and schedule production equipment, preventive maintenance, transportation (such as marine vessels, trucks, aircraft), drilling activities (in the energy industry), and logistics services.

Plug-in architecture

Actenum DSO features a 'plug-in' architecture that supports the use of common software tools, such as MS-Excel and MS-Project, enabling rapid evaluation and optimization of existing operational plans and schedules. As well, DSO may be integrated with external applications, such as commonly-used ERP and EAM/CMMS products.

Actenum DSO benefits

- § Right asset, right place, right time
- § Predictable production output
- § Improved production availability/minimized deferred production and costs
- § Increased operating efficiency and maximized performance
- § Enhanced recovery from planned and unplanned downtime or equipment status
- § Rapid and strategic decision-making

About Actenum

Actenum Corporation develops decision support and optimization software for production planning and scheduling in complex operational environments. Our solutions eclipse manual approaches and provide capabilities far beyond traditional planning and scheduling software tools, enabling you to create practical, reliable production schedules that are linked to key operational metrics. As a result, you can make informed and effective scheduling decisions that support your production goals, reduce deferred production, shorten cycle times, and improve operating efficiency.

To speak to an Actenum representative, or to schedule a demonstration, please contact us at 604.681.1262 x 224, or info@actenum.com.

Application Requirements

Client Workstations

- § 2 GHz Pentium CPU
- § minimum 512 MB RAM, 40+ GB hard drive
- § 100 Mb network connection to server
- § MS Windows 2000/XP/Vista

Actenum applications may be deployed using Java Web Start, with Java Runtime Environment 1.5, Internet Explorer 4 and higher, and Mozilla web browsers.

Java Web Start is configurable to run on web servers such as Apache, BEA Weblogic, Microsoft IIS, etc. The recommended version for an Apache Server is Apache 2.2.4.

Database Server

- § Microsoft SQL Server 2000, 2005
- § Oracle 8i or higher
- § MySQL 3.23 or higher