



3DEXPERIENCE®

# NATURAL RESOURCES PERFECT MINE AND PLANT INDUSTRY SOLUTION EXPERIENCE



Image courtesy of Mondo Minerals.

## DELIVER ON YOUR PROMISES ACROSS YOUR OPERATION

Driving business performance begins with understanding the opportunity your mining deposits represent and then planning your operations so they maximize each one's potential. With **Perfect Mine and Plant**, all levels of your organization, from executives to operational staff, will collaborate on and utilize data in new and more powerful ways to uncover improvements to efficiency, productivity, and cost control. The key focus is to drive stability and agility throughout your operation.

## Business Planning Excellence

Transform your business planning process into a dynamic, collaborative experience by utilizing all data from mining and processing operations. With **Perfect Mine and Plant**, you gain new tools to enable greater agility to respond to emerging opportunities, changing market conditions, and operational variances from budget targets. Executives, global planners, and mine management use a data and decision making platform to inform the determination of financial objectives and then plan how to achieve them at mining operations.

## Operational Execution that Drives Efficiency and Productivity

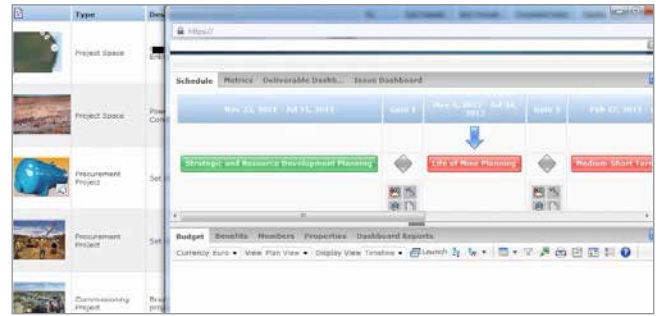
The mining value chain is complex, interweaving people, processes, and activities which are highly interdependent. A problem that begins in one area, left unchecked, can have a compounding effect on those that follow, making mining to plan challenging. With **Perfect Mine and Plant**, you break down the barriers between departments and introduce a new level of visibility about what is happening in mining and processing operations, including activities, tasks, personnel, and equipment.

Integrated planning, maintenance and plant activities help ensure your operations are consistently at the top of their game. With end-to-end visibility of all mining and processing activities, you can make high impact adjustments to improve cost-per tonne and contain operating costs. By leveraging real-time data, you will also identify problems that would otherwise remain hidden and then react quickly to address them as they happen.

## Plans and Schedules that Enable a Higher Level of Performance

Develop a foundation for solid financial and operational performance by utilizing the latest geological and operational data in mine plans and schedules. With **Perfect Mine and Plant**, the latest data is available immediately, improving the quality of day-to-day plans. The incorporation of up-to-date data leads to more accurate plans which can support enhanced production output and greater equipment and staff efficiency.

With **Perfect Mine and Plant**, input into long and medium term plans is also improved. To adapt to changing conditions at the mine and in the market, you can leverage advanced optimization and simulation to account for a wider variety of factors such as equipment performance, weather conditions, geotechnical data, and site logistics.



Vital data and workflow management is at your fingertips.

## Operational Modeling and Simulation

Try out and validate hundreds of your ideas in the virtual world before implementing the right one in the real one with **Perfect Mine and Plant's** operational modeling and simulation capabilities. To help ensure you make the best decisions about process improvements and capital expenditure investments, you can review different scenarios and incorporate data from a wide variety of sources to improve even the most complex mining operations.

## Training and Safety

**Perfect Mine and Plant** provides your teams with vital metrics and virtual training capabilities to better ensure mine sites are safe and productive. Virtual Training allows you to orient and train employees in a simulated environment away from dangerous or remote sites. It ensures safety, mitigates risk, and increases on-site productivity and consistency across global operations.

### INDUSTRY PROCESS EXPERIENCES

The following processes are part of the Dassault Systèmes **Perfect Mine and Plant** Industry Solution Experience:

- Business Planning Excellence
- Mine Planning
- Operation Modeling and Simulation
- Production Scheduling
- Virtual Training
- Production Management
- Work Management

## Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

