

## NATURAL RESOURCES MINE PLANNING

Rapidly deliver integrated plans



### DEVELOP TIMELY, ROBUST PLANS TO ENABLE PREDICTABLE OPERATIONS

From the mine site through to customer delivery, Dassault Systèmes offers unparalleled capabilities that enable mining organizations to unlock the full potential of your business. "Mine Planning" helps achieve operational stability by enabling you to quantify, plan and optimize the extraction of mineral resources to maximize productivity and profits, especially as demand and commodity prices change.

Mine Planning fits within the **Perfect Mine and Plant** Industry Solution Experience. In connection with the other capabilities in **Perfect Mine and Plant**, it helps provide a detailed view of the mining value chain and the tools to react to changes in demand, commodity pricing and mining output.

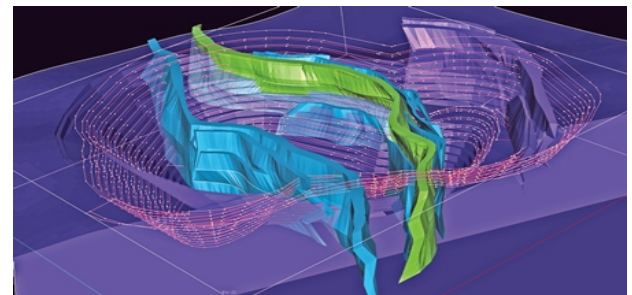
Mine Planning provides: Resource Modeling; Mine Planning and Design; Strategic Mine Planning; Tactical Scheduling; and a collaborative, data-driven backbone to help deliver robust mine plans.

By enabling staff to be trained on applications from one single vendor, Mine Planning increases staff productivity. This also helps to lower onboarding costs,

and, as the most widely used applications of their kind, Mine Planning tools make it easier to find highly qualified staff in all parts of the world.

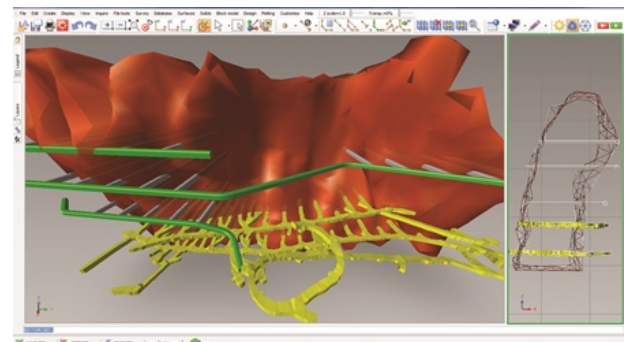
#### Resource Modeling

Resource Modeling decreases mining project risks by using all available geoscientific data to create unified, geomodels at all stages of mine development, leading to better investment decisions, more predictable operations and improved profitability.



#### Mine Planning and Design

Whether creating designs and plans for open pit or underground operations, engineers have all of the tools they need. In this integrated environment, designs can be created to maximize ore recovery, while complying with project constraints such as cut-off grade, economic limits and ground stability.

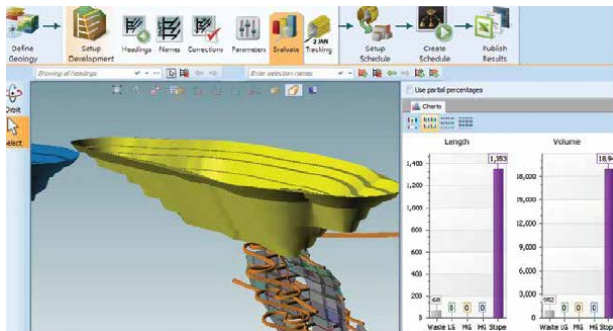


#### Strategic Mine Planning

Using the world's most trusted strategic planning application, mine planners can run complex scenario analyses to optimize mine plans aligning them to corporate objectives.

## Tactical Planning

Through an integrated approach, from Design to Scheduling, mine planners produce tactical plans that are compliant with strategic objectives. Together with intuitive workflows, animations for validation and communication, plans can be produced and updated quickly and accurately.

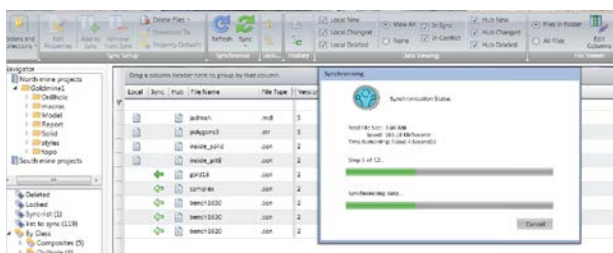


## Data Management

Make faster decisions based on the latest information by allowing information to flow between geology, engineering, surveying, and other processes. With managed data, mining organizations can be confident that models and plans use the most up-to-date information.

## Global Collaboration

Secure remote collaboration organizes, centralizes and enables the sharing of data reliably around the world. Benefit from reduced travel to site while simultaneously developing global support teams where mining professionals work together no matter where they are in the world.



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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).



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