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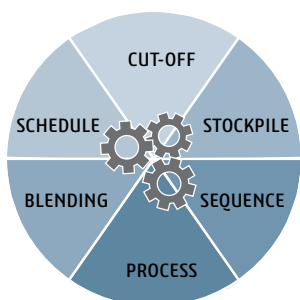
# GEOVIA WHITTLE

## GEOVIA SIMULTANEOUS OPTIMIZER

### Unlock Hidden NPV

GEOVIA's Simultaneous Optimizer is the latest advancement in strategic mine planning. It allows the user to unlock significant additional NPV, as much as 25%, from projects by simultaneously incorporating multiple optimization mechanisms. By optimizing the mine schedule, cut-off grade, stockpiles, and blending in a single step, the Simultaneous Optimizer leverages the interdependencies between these mechanisms to release additional NPV. This enhanced value is generated by combining multiple optimization mechanisms.

The Simultaneous Optimizer makes individual optimization mechanisms more accessible. By facilitating the optimization over four optimization mechanisms in a single step, the Simultaneous Optimizer reduces the complexity of configuring each of these optimization mechanisms independently. Further, it ensures that all optimization mechanisms are utilized and that maximum value from the product is derived.

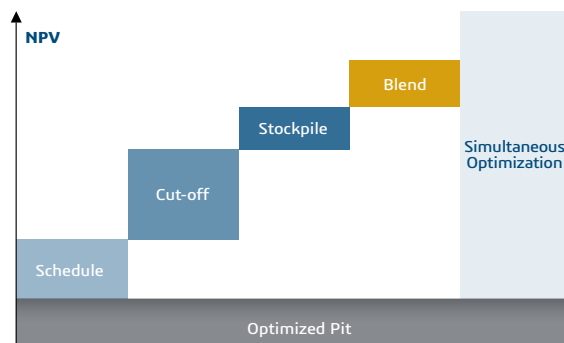


Simultaneous Optimizer leverages the interdependencies between the various optimization mechanisms to increase overall NPV.

## BENEFITS

- Increase NPV beyond multiple sequential optimization mechanisms.
- Simultaneously incorporate the optimization mechanisms for cut-off, blending, stockpiling, and sequencing to create the ultimate mine schedule.
- Provide access to individual optimization mechanisms in a single step.
- Model existing constraints, costs, prices, recoveries, and scheduling rules.
- Use familiar Whittle workflows with powerful new algorithms.
- Analyze and report using standard Whittle outputs.

The Simultaneous Optimizer provides a new method to improve project NPV as part of a standard Whittle workflow. By taking a step beyond traditional sequential optimization mechanisms, Whittle and the Simultaneous Optimizer can unlock hidden value in mine projects.



Simultaneous Optimizer achieves greater overall NPV in a single step than multiple optimization mechanisms applied sequentially.

For more information visit [3ds.com/GEOVIA/Whittle](https://3ds.com/GEOVIA/Whittle) or email [GEOVIA.Whittle@3ds.com](mailto:GEOVIA.Whittle@3ds.com).

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production. \*Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](https://www.3ds.com)



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