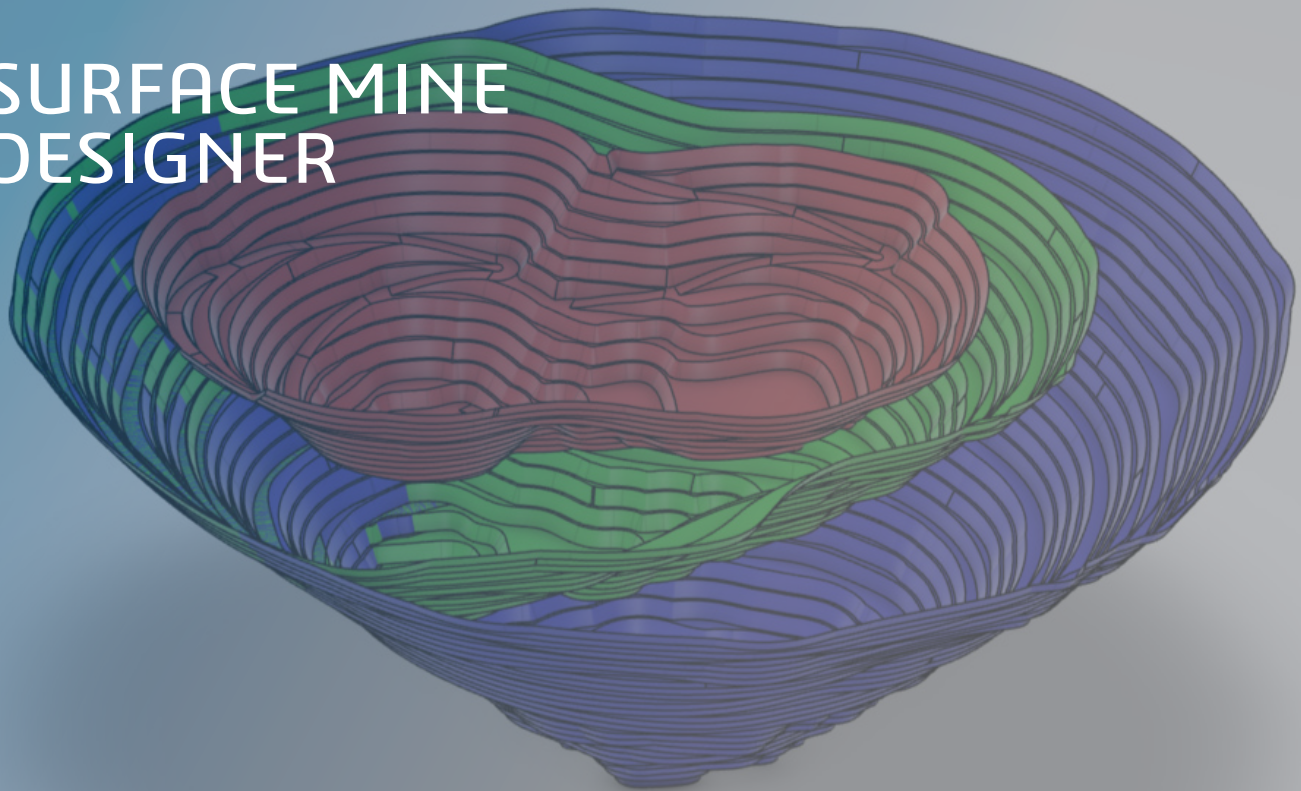


SURFACE MINE DESIGNER

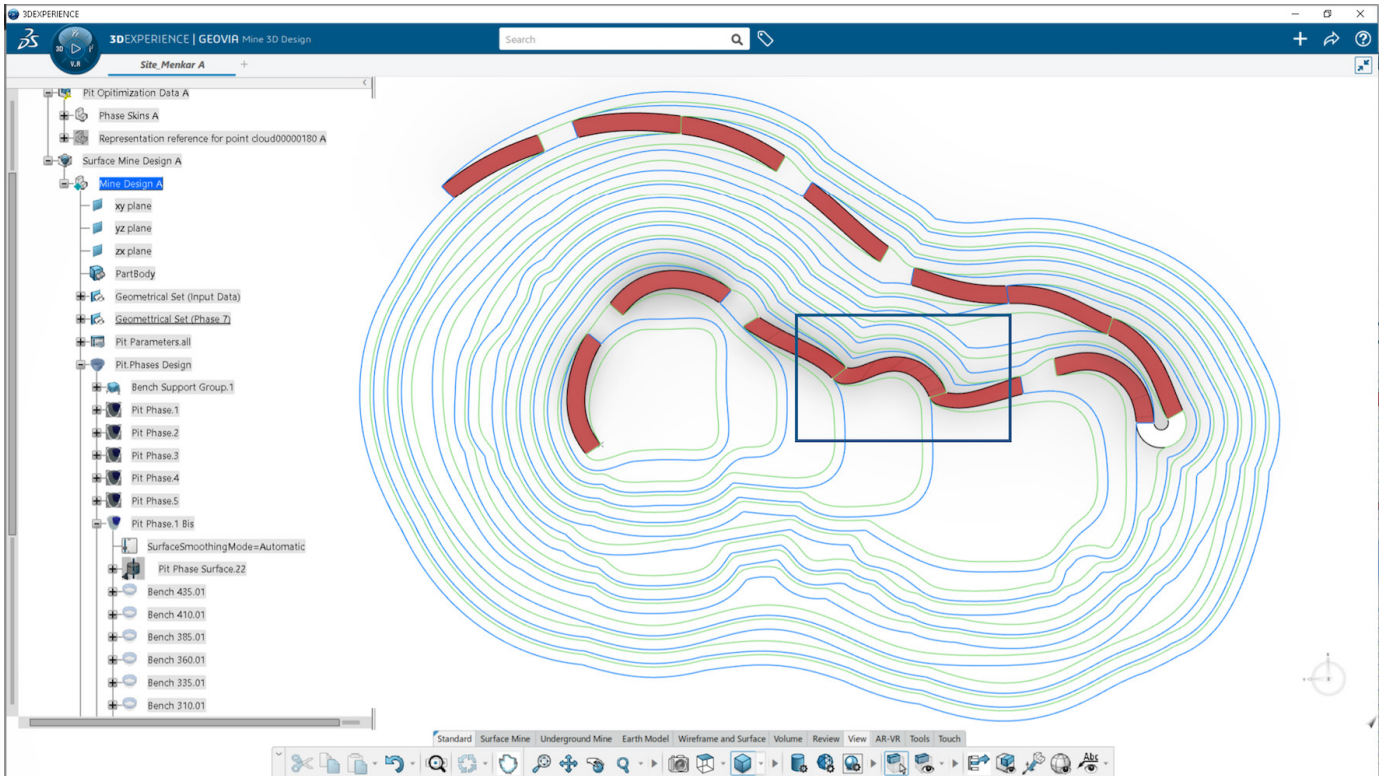


Generate and evaluate multiple pit, ramp and waste storage facility designs through an automated parametric process.

The Surface Mine Designer role harnesses the power of parametric design methodology to swiftly process, modify, and evaluate surface mining designs using the **3DEXPERIENCE** platform. This role primarily focuses on rapidly generating surface mine designs that adhere to industry standards and safety norms, with the capability to promptly adjust or refine these designs as new data emerges. Additionally, the role ensures data coherence throughout the entire lifecycle by establishing connections that facilitate seamless integration and dissemination of necessary alterations without manual intervention. Furthermore, parametric design empowers mining engineers to efficiently evaluate various scenarios, thereby saving time and providing increased flexibility during both the development and production phases.

[Watch role video](#)





BENEFITS

- Rapid generation of multiple outcomes through parametric design offering optionality assessment and identification of optimal designs
- Safe and technically valid pit, ramp and dump designs linked to geotechnical features
- Significant workflow improvements and time savings through close integration with Pit Optimizer, and other simulation and operational inputs and outputs

HIGHLIGHTS

- Parametric pit design with multiple design options
- Parametric ramp design with multiple design options
- Parametric dump design with multiple design options
- Integration of geotechnical inputs to ensure safety and stability
- Visualization of design outputs
- Report generation and results analytics (tabulation and graphs)
- Generate outputs that can be easily utilized by downstream products for further definition

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 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 twin experiences of the real world with our 3DEXPERIENCE platform and applications, our customers can redefine the creation, production and life-cycle-management processes of their offer and thus have a meaningful impact to make the world more sustainable. The beauty of the Experience Economy is that it is a human-centered economy for the benefit of all –consumers, patients and citizens. Dassault Systèmes brings value to more than 300,000 customers of all sizes, in all industries, in more than 150 countries. For more information, visit www.3ds.com.



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