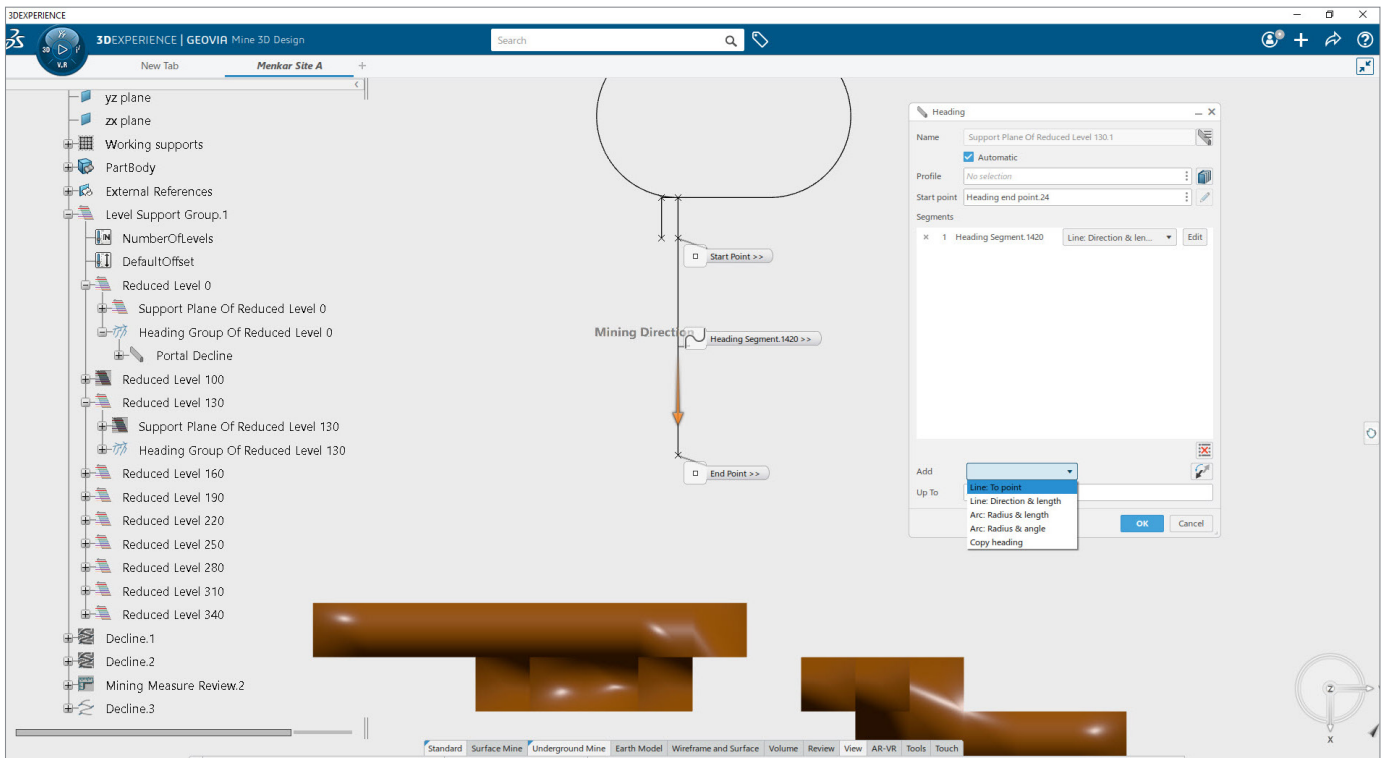


Generate and evaluate multiple development designs through an automated parametric process.

The Underground Mine Designer role encompasses the power of parametric design methodology to quickly process, edit and evaluate underground mining designs via the 3DEXPERIENCE platform. Firstly, the essence of this role is to quickly generate underground mine designs which conform to industry and safety norms, and have the ability to quickly edit or update these designs when new data becomes available. The role allows for data clarity throughout the entire lifecycle, achieved by establishing associations that allow for swift integration and propagation of necessary changes without the need for manual intervention. Finally, parametric design allows mining engineers to evaluate different scenarios quickly and efficiently, which saves time and provides additional optionality during the development and production phases.



BENEFITS

- Dynamic optionality assessment and flexibility of designs through rapid generation of multiple outcomes through parametric design
- Significant time savings and data providence clarity through complete data lifecycle associativity
- Safety by Design allowing consideration of safety standards related to underground excavations
- Technical robustness of access and level designs linked to physical constraints and geotechnical features
- Significant time savings and transparency through seamless process and data model continuity between different mining levels, development areas and practical access designs

HIGHLIGHTS

- Parametric assessment of multiple design alternatives for secondary underground access development
- Modularized development of design components through application of predetermined profiles
- Integration of geotechnical inputs to ensure safety and stability
- Visualization of design outputs

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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