



# **GEOVIA WHITTLE** GEOVIA PUSHBACK OPTIMIZER

### Realizing Value with Pushbacks that Maximize NPV and Minimize Mining Width

The GEOVIA Pushback Optimizer provides you with a single-step process to create pushbacks that address both maximum NPV and minimum mining width requirements. For all deposits where minimum mining width needs to be maintained or the creation of pushbacks is an option, this component is recommended to add value to the decision-making process by providing a more accurate project NPV.

#### **BENEFITS INCLUDE:**

- Enables final pit decisions to be based on accurate NPV calculated from realistic mine schedules.
- Delivers pushbacks that address both maximum NPV and minimum mining width requirements.
- Provides a consistent and repeatable process for creating pushbacks.
- Uses an automatic process to create pushbacks, eliminating manual iterations when selecting and modifying pitshells for mining width.
- Ensures that comparisons are made between equivalent mine schedules, providing confidence to select between scenario options.
- Allows easier pit design based on smoothed outlines that conform with pit slope constraints.

The functionality in Pushback Optimizer complements and extends the features of two previous functional components: Mining Width and Pushback Chooser. The features are available as part of the Pushback Optimizer including the ability to:

- modify user-defined pitshells or final pit to accommodate minimum mining width requirements (Mining Width functionality); and
- select the set of maximum NPV pushbacks for a specified ultimate pit, based solely on NPV (Pushback Chooser functionality).

The Pushback Optimizer provides new methods for fast, effective pushback generation that enable practical schedules to become a standard part of the mine planning decision-making process, allowing the full potential value of the deposit to be realized.



Create NPV Practical Pushbacks in a single step.

### For more information visit 3ds.com/GEOVIA/Whittle or email GEOVIA.Whittle@3ds.com.

## Our **3D**EXPERIENCE® 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. <sup>o</sup>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** 

![](_page_0_Picture_21.jpeg)

![](_page_0_Picture_22.jpeg)

Americas Dassault Systèmes 175 Wyman Street Waltham, Massachusetts 02451-1223 USA

Europe/Middle East/Africa Dassault Systèmes 10, rue Marcel Dassault CS 40501 78946 Vélizy-Villacoublay Cedex France

#### Asia-Pacific Dassault Systèmes K.K. ThinkPark Tower 2-1-1 Osaki, Shinagawa-ku, Tokyo 141-6020 Japan