



# Deswik.SO

STOPE OPTIMIZER

## Underground stope shape optimization using the industry-leading MSO

A strategic mine planning tool, Deswik.SO automates stoping design for a range of methods used in underground mines. Able to quickly analyze stoping methods and parameters for a defined geological block model, you'll maximize the value of your ore body and develop a strategic plan assessed against a variety of approaches and constraints.

Built around the AMS Mineable Shape Optimizer, the tool allows you to define numerous properties for the stopes including; general shape and orientation, cut-off grade, cost and revenue, pillar sizes, dilution, mining limits and waste ratios. The scenario management tools allow multiple mining options to be considered and compared rapidly, generating output reports that let you optimize for your best case.

Fully integrated into Deswik.CAD, output stope wireframes and section strings can be directly incorporated into the Deswik mine planning process.

### REALIZE MORE VALUE

- » Automatically generate highest value stope solids across a wide range of mining method geometries and ore body types.
- » Delivers strategic stope designs and pillar location optimization against complex ore bodies.

### CUSTOMIZABLE DESIGN

- » Wizard-based setup for easy definition of stope parameters like strike and dip as well as stope and pillar widths.
- » Dilution offsets define planned dilution width on both footwall and hangingwall sides of the stope.

### ECONOMIC OPTIMIZATION

- » Use geological model fields as cut-off values or calculate a value with grade, mining recovery, price, mining/processing costs and royalties.
- » Alter the maximum waste proportion of the stopes to vary resource recovery.

### UNDERSTAND THE OPTIONS

- » Scenario Manager facilitates comparison of multiple design scenarios with rapid adjustments.
- » Export and import scenario settings for rapid setup of new projects and re-evaluate scenarios against new geological data.

### INTEGRATED PLANNING SOLUTION

- » Embedded in the Deswik.CAD graphics platform for effortless generation of stope wireframes and solids.
- » Seamless flow into Deswik.Sched via Deswik.IS for rapid analysis of scenario results.