




# Design

## Open Pit Metals

TRAINING MODULE PROFILE

 PROGRAM	 DURATION	 DELIVERY	<b>3.02</b> MODULE ID
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The Design for Open Pit Metals module builds on the theories covered in the Deswik. CAD Essentials training, focusing on the more common tools and functions in Deswik. CAD used for Open Pit Metals design and analysis. Using a realistic mining scenario, it takes you through the process from the initial import of your model data, to designing, optimizing and reconciling your pit design.

### Initial Data Setup

- Configure your project settings
- Import your topography and geological data

### Geology and Block Models

- Analyzing and viewing your Block Model
- Drill hole import and design
- Undertake geotechnical analysis to determine design constraints

### Pit Optimization

- Generate and run material calculations on your block model to determine ore and waste blocks
- Interrogate pit solids to report on grades and physicals

### Pit Design

- Configure design parameters and rules
- Create an initial pit design
- Use inbuilt tools to update your design
- Create multiple design options using the Automated Pit Design tool

### Pit Reconciliation

- Using the reconciliation tool to reconcile an actual surface against the planned surface
- Review planned and unplanned volume and tonnages mined and left behind

### Reporting

- Comparison of volume solids from separate layers
- Query a set of attributes from designs
- Create a pivot table to analyze attribute and properties data
- Set up a reporting dashboard

## Design for Open Pit Metals

### Training Pathway

