

Transforming how Open Pit Surveyors process scan data collected in the field.



## Deswik Open Pit Survey Solution

An integrated workflow for Open Pit Surveyors to work smarter and with greater efficiency.

### 1. Point Cloud Handling

- Directly import and handle up to 200M points into Deswik.CAD from a variety of supported file formats (including Leica DBX, SDB, LAS, GSI and Trimble JXL)
- Customize cloud attributes such as RGB and intensity to be imported and exported with integrated hardware

### 2. Topography and Surface Creation

- Create and configure surface designs from a variety of entities and methods, such as points and polylines
- Show the deviation between two point clouds and customize the appearance based on your reporting needs
- Map image files onto surfaces and import and export Google Earth files
- Smooth a surface within a digitized polyline to remove unwanted objects from the resulting surface
- Digitize a polyline on a point cloud following topographic features
- Filter points using colorization attributes or spatial and distance filters

### 3. Surface Editing and Visualization

- Analyze slopes and refine your surface with various filtering and querying options for reporting
- Smooth, tessellate and de-spike surfaces to ensure accurate visualization

### 4. Compliance to Plan and Reporting

- Report compliance to plan on designed and surveyed surfaces using the Pit Reconciliation tool
- Analyze road networks against design parameters to report compliance using the Road Audit tool
- Generate volume reports for validation using the Reconciliation tool

#### Technology Partners



#### Integration Partners

