

Advanced survey  
functionality with a focus  
on point cloud handling

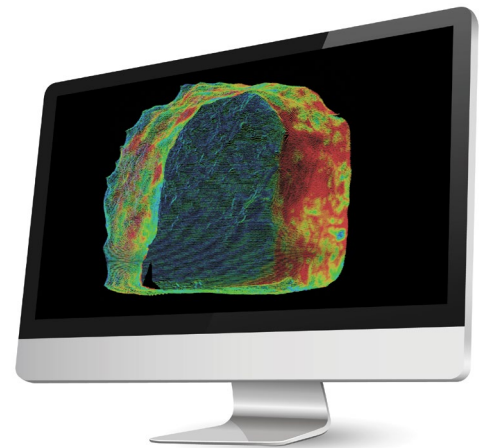


## Deswik.AdvSurvey

Advanced Survey

### Point cloud handling

- Import and modify point cloud data using a variety of filtering options:
  - Spatial filtering to reduce point density.
  - Outlier filtering to remove inconsistent points.
  - Height filtering to remove vegetation, equipment, and vehicles.
- Trace features on the point cloud to generate toes and crests.
- Compare the deviations between two point clouds.
- Clean underground scans to remove noise, such as vent bags and vehicles, and generate solids. Configure profiles based on site requirements and the scan results.
- Generate outlines from the points and register them to the point cloud.



### Other functions

- Open pit and underground reconciliation tools
- Crossfall analysis for bench and batter checks
- Road Audit tool for the assessment of haulage road compliance against road parameters



#### Support for point cloud objects

Import large scan data files from open pit and underground scanners through common file formats and convert to points, surfaces, or grids.



#### Open pit- and underground-specific functions

Dedicated open pit and underground tools for generating solids, surfaces, and polylines from scan data.



#### User-definable settings

Allow users to control their results.



#### Integrated systems

Integration with Deswik's mine design, scheduling, and data management modules.