

Underground survey functionality



Deswik.CAD

Design & Solids Modeling

Key Features

- Direct integration with Leica and Trimble instruments allows you to import jobs directly from Leica DBX, GSI and Trimble JXL file formats. New survey controls can be added to the database using codes or specific programs on the instrument.
- Import Leica SDB scan files into Deswik.CAD and display them as a point cloud. Use functions within Deswik.CAD to rapidly generate outlines and clean solids.
- Use a rule-based wizard to build solids from survey observations, which can be refreshed with new surveys.
- Create laser offsets and tables using a variety of methods to produce plans for development. Customize the annotations and the display of results.
- A survey control database with in-built QAQC allows you to manage and keep an up-to-date version of the survey network. Export it to Leica DBX or other file formats.
- Press a survey outline down to the floor.
- Graphically show the origins of survey control through the backsight stations column in the database.
- Create rule-based setout polylines from drill and blast designs used for marking out underground, removing the need for manually digitizing each blasthole.

Key Benefits

- Direct importing and exporting to Leica and Trimble instruments.
- Dedicated survey functions for daily survey work.
- Integrated with Deswik's mine design, scheduling and data management modules.
- Rapid, detailed and repeatable plot generation.
- Advanced underground solids creation tools automatically generate valid solids from tunnel as-builts or stope scans. Calculate overbreak, underbreak and compliance to plan.



Deswik.AdvSurvey

Advanced Survey

With an Advanced Survey license you also have access to the following functionality:

- Use the Underground Reconciliation tool to report compliance to plan against the design. Cross-section analysis is available for plotting.
- Generate a solid from development or stope scans. Customize the filters to remove noise, such as vent bag, vehicles, people, and services, and create a valid solid.
- Generate an outline of the point cloud at specific elevations relative to the point cloud that will be appended to the existing development.
- Modify a point cloud by filtering points using colorization attributes and spatial and distance filters. Visualize the attribute distribution using histograms.
- Compare point clouds by calculating the deviation between two point clouds. Create your own legends for your reporting requirements.

Technology Partner



Integration Partners

