



**Deswik.CAD**  
Design & Solids Modeling

## SURVEY FUNCTIONALITY

Integrated survey functionality, specifically designed for underground surveyors

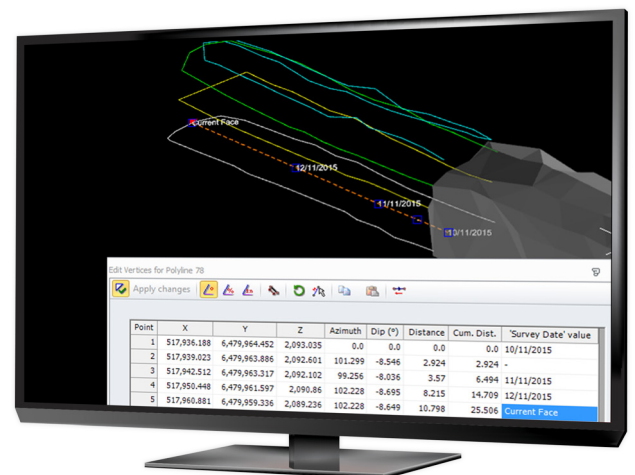
Deswik.CAD features in-built survey functions, commonly used by underground surveyors internationally.

### KEY FEATURES

- Direct Integration with Leica Instruments:
  - Import jobs directly from DBX job files.
  - Upload reference data and survey stations from stations database.
- A multi-user stations database stores all of the survey stations set up by the survey team as well as a ledger of the imported jobs
  - Supports either a standalone stations database file or directly integrates with Deswik.MDM (Mining Data Management) for enterprise sites.
- Apply display styles to the imported survey data so that the observations appear as polylines, points, stations or inserts.
- Ability to load survey stations from the database to Deswik.CAD for plotting or reference.
- Review and search the survey stations either graphically or in a table.
- Export set-out and reference information to a variety of formats including; Leica DBX Job files, \*.DXF, \*.STR or user definable format text files.
- Keep the stations database synchronized with the instrument by allowing the user to directly export the stations database to a stations job file on the survey instrument.

General Deswik.CAD functions can be used to:

- Load, save, edit and visualize various formats of data.
- Quickly calculate distances, areas and volumes.
- Generate detailed plots from a variety of data sources.
- Store, edit and label attributes per vertex on polylines.
- Add a laser line offsets table to a plot.
- Flatten a wall outline polyline to a floor centerline polyline.
- Powerful solids creation, editing and Boolean engine.
- Build customized process maps to quickly execute site processes.



### Benefits

- Direct import and export to Leica instruments
- 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 CMS scans and calculate overbreak and underbreak.