



Deswik.OPDB

OPEN PIT DRILL & BLAST

Fast, efficient open pit drill and blast design

A Deswik.CAD module, Deswik.OPDB has been developed to manage the specialized needs of drill and blast designs for open cut mines. Rapidly generate drill holes either manually or through sophisticated automated tools, to deliver a comprehensive blast design every time. Ensure consistency by incorporating standard design metrics for drill hole constraints and drill rig parameters to prepopulate your design. Integrate with BMI's BlastPlan Pro to define primers, explosives and timing sequences and produce detailed blast designs.

Generating a drill and blast plan is only half the job and Deswik.OPDB ensures that communicating the plan is just as easy. Rapid plotting from pre-configured layouts, direct export to drill rig guidance software and survey formats keeps everyone, from drillers to surveyors, working together.

SUPERIOR DESIGN TOOLS

- » Intuitive layout of drill holes considers previous design and geological structures.
- » Rapidly generate drill patterns using pre-defined hole templates then manually adjust as required to final design.

DRILL PATTERN MANAGER

- » Construct hole templates with design parameters such as fixed/variable collar or toe spacing, angle changes and variable toe horizons.
- » Audit drill patterns against blast hole distribution and location constraints.

DYNAMIC UPDATING

- » Update holes layouts against survey and design changes; fast and intuitive hole numbering.
- » Copy designs between patterns – new design automatically adjusts to the surfaces of the next pattern.

BLAST PLAN READY

- » Export design data ready for direct import into BMI's BlastPlan Pro blast design software.
- » Create hole charging plans, design of tie-up plans and load sheets.
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FLEXIBLE PLOTTING SOLUTIONS

- » Plot any combination of plan and section views for drill pattern designs.
- » Rapidly set-up plot templates with tables referencing key design information that updates for each plotted drill design.

DATA EXPORTING

- » Export to various data formats and upload the design directly to the drill rig.
- » Distribute drill designs and GPS guidance files to surveyors in either DXF or CSV formats.