Deswik.OPSTS
OPEN PIT SHORT TERM SCHEDULING

Short-range ore control modeling and design tool

Deswik.OPSTS is an integrated and interactive workflow tool, that provides users with a simple user interface, suitable for any commodity in open pit mining. By integrating design, drill and blast, haulage, material flow and scheduling it enables short term planners to instantly see the impact of changes and communicate plans to production.

Deswik.OPSTS removes the need to move between different applications to understand the impacts of changes, and provides immediate visual feedback and schedule updates.

Deswik.OPSTS data and decisions can be shared between planning horizons and across functions, to communicate changes to anyone from long term planners to drill and blast engineers.

FLEXIBLE MODELING APPROACH

» Quickly build detailed, activity-based weekly and shift plans and manage the integration between longer term schedules.

» Uses a solids modeling approach which is very flexible, with changes facilitated through a work-flow style user interface.

» User-definable choice of attributes to flow into the schedule for reporting.

» Elevation or surfaces can be specified for target floor level, allowing drainage to be considered.

» Innovative approach to bench setup means that if there is a "skin" of material left unmined on the upper bench, it can be incorporated in the bench below.

» Automated face position updates from topography surface or polygons. This allows daily updates from shovel history or monthly updates from survey.

» A single graphical block can be modeled as multiple tasks or each task can have a different shape.

INTERACTIVE SCHEDULING

» Dynamically links Deswik.CAD to Deswik.Sched; as the cut line is moved, the associated block is altered and interrogated against the block model. The embedded schedule is updated and automatically leveled, giving you immediate feedback on the impact of the change.

» Full support for generation of temporary ramps and drop cuts.

» Fast, interactive resource path definition with automated dependencies to prevent undermining.

» Multiple, flexible approaches to cut generation including shovel radius, target volume, target tonnes, line, polyline and polygon.

» Simple, fast trim shot designer.

POWERFUL GRAPHICAL FORMULAE TOOLS

» Query ore control shape data to override resource model grades.

» Query drill & blast designs for updated physicals including automated calculation of drill and blast quantities.

» 2D and 3D attribute transfer direct to the schedule.

INTEGRATED SYSTEM

» All data is contained within a single Deswik file, no need to export between the design and scheduling processes.

» Import, export, print, report data ready for upstream and downstream stakeholders, including drill and blast engineers and long-term planners.

» Integrates with Deswik.DO (Dig Optimizer) for grade control.

» Automated generation of period surfaces and polygons, allowing integration with longer-term planning and visual communication to mines.