Deswik.AdvOCC

ADVANCED OPEN CUT COAL

Advanced functionality tailored to the specialized demands of open cut coal operations

Developed in direct response to the needs of our customers, Deswik.AdvOCC adds functionality across the Deswik software suite. Continually updated with the latest releases from our development pipeline, this module enables your mine planners to do more effective, more detailed and more value driven planning. Unlocking advanced design and scheduling features for both long and short term planning, the module includes:

- Truck limited haulage and other alternative haulage methodologies
- Advanced reserving including automated ramp projections
- Easy reconciliation tools for compliance auditing;
- Interactive spoil balancing
- Margin calculator incorporating Lerchs-Grossman pit shell optimization
- Advanced scheduling functions including backwards pass resource leveling, objective targeting and resource path importing.

Deswik.AdvOCC can be used with either Deswik.CAD or Deswik.Sched or a combination of both.

ADVANCED RESERVE PROJECTION

- CAD-based feature introduces advanced reserving processes and tools using the shells projection methods.
- Incorporate access ramps down each projected high wall for more detailed short term reserves.Managed Scenarios

AUTOMATED ROAD DESIGN TOOL

- Determine cut and fill requirements from road centrelines, with solids creation and surface updating.
- Design to gradient and bench and berm limitations with cut and fill balancing for dropcuts.

TRUCK-LIMITED HAULAGE

- Specify truck fleet and the system dynamically models the mining and dump schedules based on available trucks.
- TLH is also appropriate for modeling mixed-fleet haulage scenarios.

NEW LANDFORM AND HAULAGE OPTIONS

- Incorporate conveyor systems with fixed and mobile conveyor load points, modeling interaction with normal truck haulage circuits.
- Include trolley assist haulage options into landform scenarios.

ADVANCED RESOURCE LEVELING

- Access to features such as backwards pass leveling, multi-field or sink rate targeting and time usage models.
- Short term manual scheduling via interactive resource paths or import resource paths from other packages.

INTERACTIVE SPOIL BALANCE TOOL

- Block by block balancing of the pre-strip horizon against a defined dragline spoil design, with the ability to move material between blocks.
- Detailed reporting on individual and cumulative block spoil room.

BULK SPOIL BALANCE TOOL

- Strip level calculation of spoil limited pre-strip horizons against a set of defined mining and dragline spoil solids.
- Automated across multiple strips, showing output labels for calculated dragline elevations.

RECONCILIATION

- Generate as-mined, as-designed and difference solids from initial, design and final surfaces.
- Detailed reporting of compliance to plan from a 3D perspective.

MARGIN CALCULATOR

- Wizard-based calculation of Net Present Value and incremental, cumulative and maximum cumulative margins from reserve solids.
- Import, export and run multiple scenarios against defined costs and revenues as required.

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LERCHS-GROSSMAN PIT SHELL OPTIMIZER

- Using reserve solids, grids or block models, vary the revenue to calculate the pit shell delivering the maximum undiscounted cash flow.
- Lets you rapidly identify the economic limits of the deposit.

INCLUDES DESWIK.SVIZ (SCHEDULER VISUALIZER)

- Embedded 3D visualizer for Deswik.Sched.
- Utilizing a dockable interface, it provides interactive viewing and animation of mine designs, sitting side-by-side with the schedule tasks