



Deswik.Planning

Gantt Chart Scheduling

All Sectors

Planning and scheduling solutions
that set us apart



 **Deswik**[®]

Experience the Deswik advantage

We empower mining teams to work smarter and faster. Our integrated approach to mine planning incorporates design and scheduling features across our core platform to help our clients increase efficiency and optimize outcomes.

 Deswik.Spatial Design & Solids Modeling	 Deswik.Planning Gantt Chart Scheduling	 Deswik.OPS Operations Planning & Control
 Deswik.GeoTools Operational Geology	 Deswik.MDM Data Management & Governance	 Industrial Mathematics Mining Optimization Tools

An integrated mine planning and scheduling solution



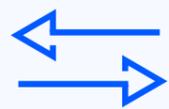
A dynamic, modern approach to mine planning and scheduling

Built on our scheduling platform, Deswik.Planning handles the planning needs of any mining sector.

Encompassing both rate and duration-based scheduling, Deswik.Planning handles the massive datasets that modern detailed planning requires by integrating production, ancillary, and project activities with ease.

With its powerful resource leveling engine, mining professionals can better understand resourcing and set priorities, constraints, and objectives designed to reflect real-world requirements of actual mining activities.

Dynamically link your mine designs and schedules



Bring mine designs and schedules together

Deswik's interactive scheduling functionality brings together the power of Deswik.Spatial and Deswik.Planning to dynamically link your mine designs and schedules.

Gantt chart schedules can be modified and updated directly from the graphical environment, setting dependencies and specific resource input paths. Schedule-driven graphical animations also give instant feedback on your planning changes to help facilitate rapid schedule development.

Who uses Deswik.Planning?

- Long-Term Planning Engineers
- Short-Term Scheduling Engineers
- Strategic Planners
- Mining Engineers

Complete your planning tasks in one scheduling package

Standard functionality in Deswik.Planning:



Gantt Chart Scheduling



Scheduler Visualization



Interactive Scheduling



Advanced Planning Capabilities

Expand Deswik.Planning's functionality with other modules:



Landform and Haulage



Material Flow Modeling



Schedule Optimization Tool

Discover Deswik.Planning



Gantt Chart Scheduling

A powerful Gantt chart scheduler designed to handle mine planning challenges

Comprehensive scheduling functionality

Generate complex scheduling data through powerful spreadsheet style formula tools, referencing data from a variety of sources. Utilize a variety of configurable scheduler layouts including Task and Resource Gantt charts and linked reporting, and 3D solid animation viewers.

Maximize resource utilization

Powerful resource leveling engine. Mirror real world objectives with dependencies, priorities, targets, constraints, and resource limitations.

Integrated reporting and analysis

Customize your user-defined pivot-style reports and drill into the details of a schedule. Utilize a suite of schedule analysis tools including critical path analysis between selected tasks and dependency, and conflict filtering.

Flexible resourcing

Advanced spreadsheet-style formulas for data calculations including 3D spatial lookup formulas and interrogation of solids for volume, area, and intersections. Interactive and rules-based filtering from attribute values.

Schedule integration

Expand functionality with other Deswik modules.

Time management

Scheduled task duration is calculated in seconds, allowing for infinitely customizable period reporting.



↔ Interactive Scheduling

Bridging the planning gap between design and scheduling

Seamlessly merge design and scheduling

Take any entity in the CAD graphical platform in Deswik.Spatial, and transform it into a task solid with a directly linked schedule task created in Deswik.Planning. Update, recreate, delete, and manage task solids with any changes dynamically reflected in their associated schedule tasks.

Change the linked Deswik.Spatial and Deswik.Planning files as needed. Multiple schedule scenario files can all be matched against a single set of task solids.

Record schedules as customizable animations to be shared across all stakeholders to keep everyone up to date.

Bring multiple plans together and update against survey

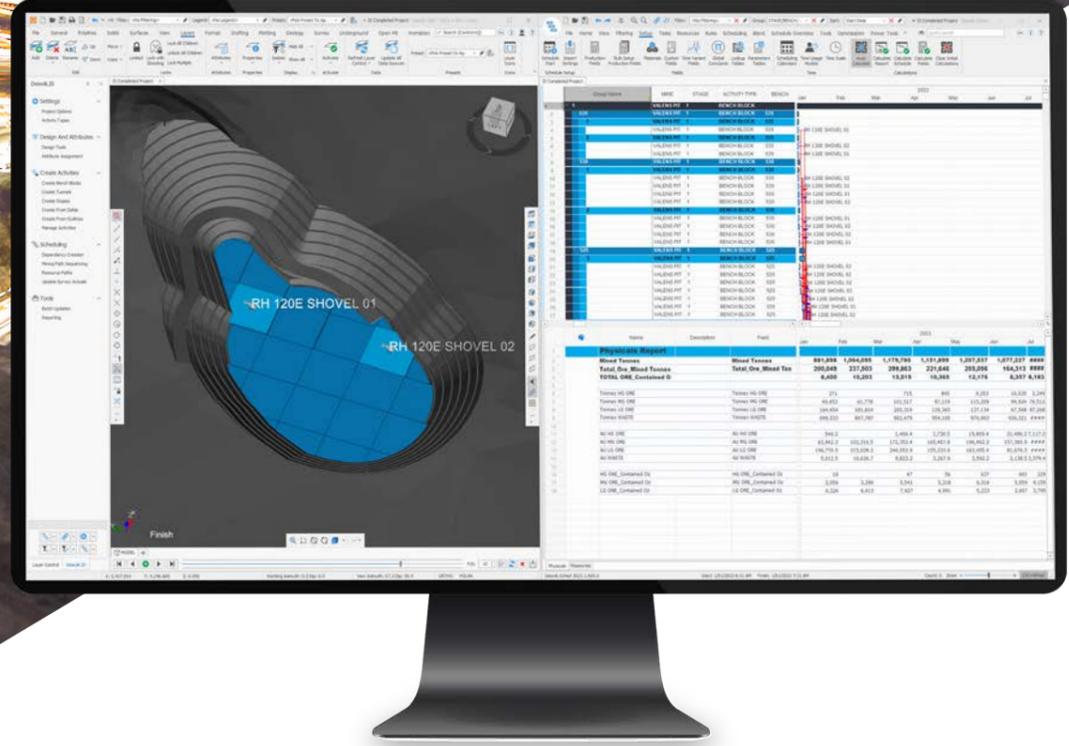
Automates the update of existing schedules from mine surveys, cutting and reportioning tasks, and rescheduling from the survey data forward.

Automatic and on-demand batch update functions transfer information from your design to your schedule and back again within the software – no need to save files to load into different modules.

Powerful communication tools

Cut tunnels and outlines based on the meters schedule to be mined across a range of periods that you define.

Set a mine direction for your overall design. Define specific dates and cut task solids to indicate the face positions.





Scheduler Visualization



3D interactive viewing and animation of mine designs with schedule tasks

Streamlined functionality

One application and one interface for scheduling and visualization. Works independently of Deswik.Spatial product.

Fully-featured viewer

Load CAD design files from Deswik.Spatial which are processed via our interactive scheduler. Get 3D visualization of tasks without the need to load a CAD design file.

Another intuitive view of all tasks

Task selection is synchronized between the normal scheduler view and the visualizer – select tasks in the grid or in the 3D view. Task solids in the 3D view can be colored by the task's Gantt bar color.

Schedule interaction

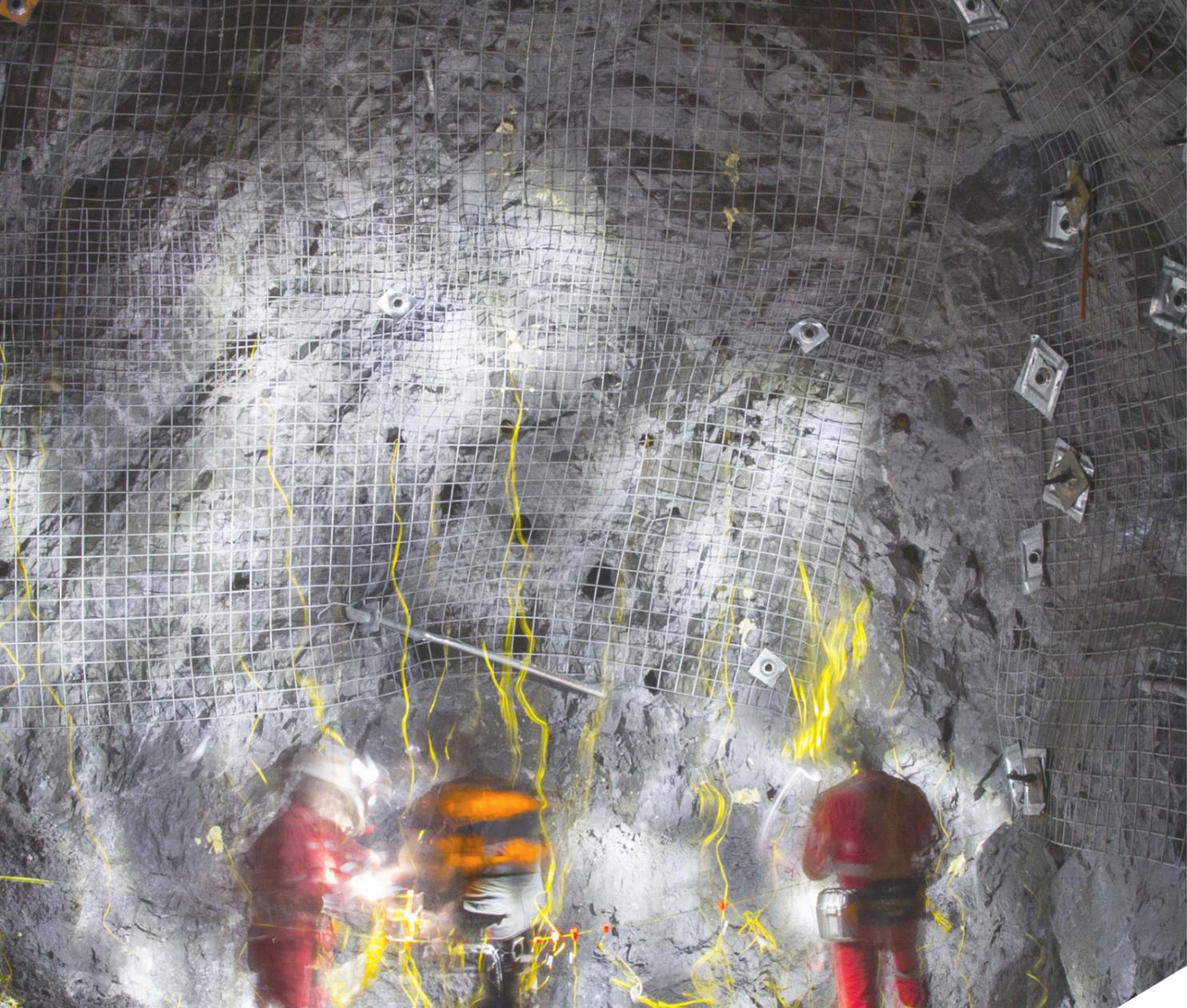
Dependency view that clearly shows successor and predecessor tasks in the 3D view. Assign resources by dragging directly onto the 3D task solids.

Import settings and data

Imports file settings such as legends, layer pre-sets and plane definitions for the CAD design file. Display design layers through the layer directory and access all the attributes and properties of the solids.

Synchronization

Changes made to the schedule, or applying scheduled filters are reflected instantly in the viewer.



Advanced Planning Capabilities

Easily generate scheduling scenarios and analyze compliance to plan

Advanced resource leveling

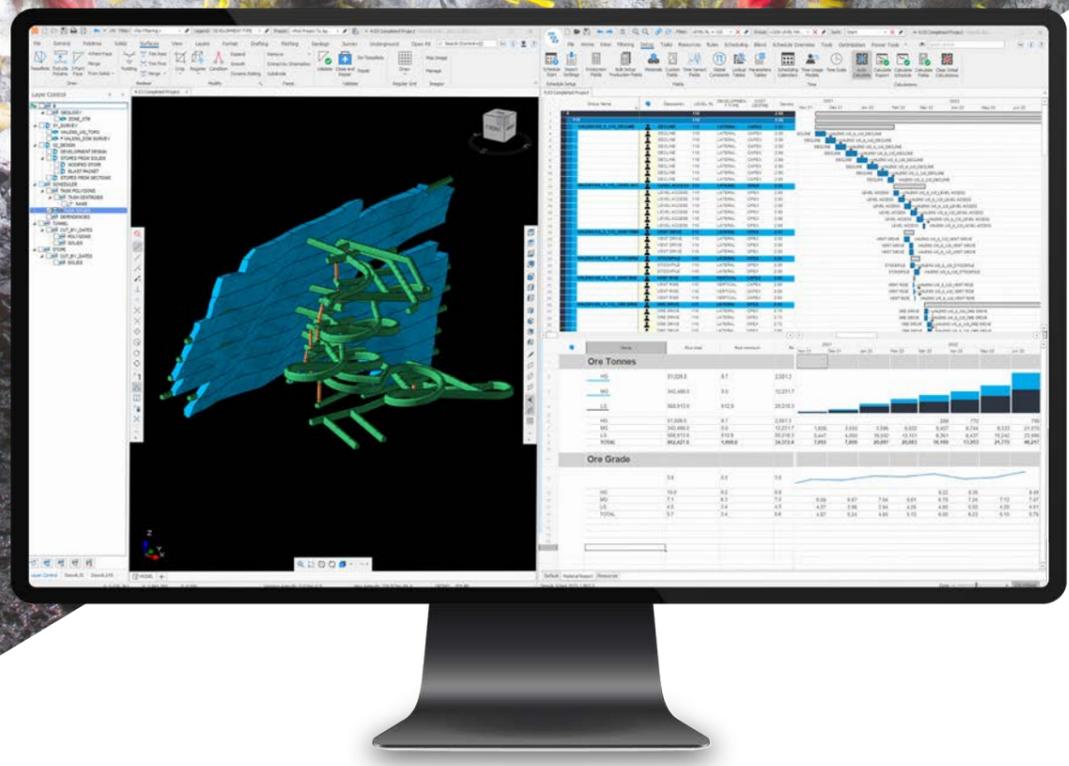
Access features such as backwards pass leveling, multi-field or sink rate targeting, and time usage models.

Manage short-term manual scheduling via interactive resource paths, or import resource paths from other packages.

Tunnels by variable section

Tunnel creation tool that uses chainage-based rules to allow a tunnel to have variable profiles. The tool has three different rule sets available:

- Primary X-section rule – this allows the user to change the profile of the tunnel as required.
- Secondary X-section rule – this allows the user to insert repetitive changes to tunnel profile i.e., safety bays, fresh air bases, electrical cut outs.
- Excavation Rules – this allows the user to dice up any tunnel profile into excavation segments that will be excavated, i.e., top bench, bottom bench, wall stripping.



Produce results quickly and easily with Deswik's services

Consulting

Our consultants have significant operational and project-based experience across all mining sectors. We have a proven track record of delivering measurable improvements in mine planning processes, operations and asset value.

Armed with the latest software technology, we ensure that project outputs are delivered for both large and small mine operators, project teams, and investors.

- Mine planning, design and scheduling
- Software implementation
- Scoping, pre-feasibility, and feasibility
- Equipment selection and optimization
- Technical due diligence, peer reviews and audits
- Mine rehabilitation, water catchment analysis, and closure
- Ongoing engineering and training support

Training & Resources

Deswik offers a range of training courses to empower your team with the knowledge and skills to use our products efficiently. We tailor training to suit your learning requirements, whether in-person at one of our global offices, at your site, or via virtual classroom.

Our training catalog includes introductory, self-paced, and online learning for our core products, or facilitator-led training across all mining sectors on using Deswik software for specific applications.

Support

As trained engineers and mining professionals, our global support team provide high-quality support services to ensure you have the best experience using our software. Our five support centers are available for customers to access all over the world through phone, email, or online through the Deswik Client Portal.



About Deswik

Leveraging decades of professional software development experience and a proven history of building technical mining applications, Deswik provides industry-leading tools to ensure that mine plans are robust, transparent and achievable.

Our software is developed to take advantage of the latest high performance technologies and cutting-edge computing algorithms, all accessed through a flexible, intuitive interface.

By avoiding the legacy issues faced by other older packages, coupled with our outstanding customer support, we provide complete solutions to meet the demands of modern mining. Deswik is committed to delivering comprehensive tools and quality support for all mining sectors.