

MODULES OVERVIEW

GEOVIA Minex

STANDARD FEATURES

Graphics	Sophisticated and powerful 3D modelling environment.
Plotting	Create, preview, annotate and print user-defined plan and section plots from grids, triangles and boreholes.
Surface Modelling	Create triangles and grids and calculate volumes.
CAD Tools	Create and work with point and line data.

OPTIONAL MODULES

GEOLOGY	Borehole Database and Seam Modeling	Load boreholes from ASCII, ODBC or acQuire™. Interpolate missing data and automatic generation of multiple seam grids. Resource classification and calculations (quality, depth, thickness and distance).
	Coal Washability	Store coal wash data based on wash density and particle sizing. Accumulate data for a wash density or target ash. Report wash data and upload product specifications for modeling.
	3D Fault Modeling	Comprehensive 3D fault modeling tool that handles reverse and normal faulting.
	Geostatistics	Tools for trend analysis, variogram modeling and validation.
OPEN PIT PLANNING	Dump Scheduling and Haulage Planning	Design waste dumps and haul roads, schedule the dumping of waste, calculate haulage cycle times, and report on all aspects of the waste removal and haulage process.
	Open Pit Design and Reserves	Design pits with strip and block divisions and generate reserves from a seam model. Adjust the reserves for mining dilution, seam combining and seam wasting by thickness.
	Pit Optimizer	Use industry standard Lerchs Grossmann algorithm to generate optimum pits from an unfaulted or faulted Minex geological model.
	Open Pit Drill and Blast	Layout blasthole patterns.
	Open Pit Surveying	Connect to survey instruments to collect and manage topography data.
	Open Pit Earth Works	Design dumps and roads, and rehabilitate dumps using cross sections.
	Spoil Reshaper	Reshape dump surfaces to minimise dozer push distance.
	Open Pit Scheduling	Schedule an open pit mine using targeting or detailed equipment scheduling, providing long, medium and short-term solutions.
UNDERGROUND PLANNING	Underground Engineering	Create detailed underground mine designs and schedules using a set of rich and interactive tools that provide instant visualisation of your design as it unfolds. Schedule an underground mine using a set of tools that are integrated with the mine design and reserves database.
SHARING AND COLLABORATION	GEOVIA Hub™	Improve data sharing and exchange planning, production or exploration data on site or with other locations around the world securely.

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