

GEOVIA SURPAC™

MODULES OVERVIEW DATASHEET



STANDARD FEATURES		
3D Graphics Display	Sophisticated and powerful 3D modeling environment.	
Plotting	Create, preview, annotate and print user-defined plots of resource models, mine designs and surveys, optionally including tabulated data by direct reference to spreadsheet cell ranges.	
CAD Tools	Create and work with point and line data.	
Surface Modeling	Create and work with wireframe surfaces and sub-surfaces.	
Scripting and Automation	Record / playback macros and write custom workflows.	
Language Support	English, Chinese, Russian, Spanish, and French.	
Online Help/Tutorials	Documentation, examples, tutorials and data.	
Release Support	Surpac 6.8	
OPTIONAL MODULES		
Tools	Autoplot	Quick plots to scale with basic user-defined options.
	Data Plug-ins	Read and exchange data with multiple geoscience applications.
	String File Reports	String data file manipulation toolkit.
	DraftSight Pro Pack	Extend your plotting capability and eliminate the cumbersome import and export processes.
Geology	Structural Suite	Perform structural analysis in large and complex datasets allowing better mineralization characterization.
	Geological Drillhole Database	Manage, query and display drill hole and assay information.
	Basic Statistics	Tools for general data analysis, min, max, mean and much more.
	Geostatistics	Tools for trend analysis, variogram modeling and validation.
	Solids Modeling and Mesh Tools	Create wireframes of geological features and underground workings. Manipulate and simplify, expand or contract complex solids or surfaces as well as compare deviation or determine linear clearance between datasets.
	Block Modeling	Tools for modeling and reporting material attributes in 3D.
	Block Model Interpolator	Multi-pass block model interpolation manager.
	Grade Calculations	Calculate volumes and grades from polygons.
Strategic Mine Planning	Dynamic Shells	Evaluate deposits and generate surfaces and solids.
	Stope Optimization	Automate the generation of stope designs for a variety of underground mining methods. Optimize strategic plans based on selection of either value, cut-off grade or calculated value whilst adhering to practical mining constraints.
Engineering	Pit and Dump Design	Comprehensive open pit mine and dump design toolkit.
	Road Design	Basic road design toolkit featuring transition curves.
	Drill and Blast Design	Design, charge and report surface blasthole patterns.
	Stope Design Tools	Use planes and reference models to delineate stope boundaries, creating design solids, which are then divided into practical mining shapes.
	Underground Ring Design	Design, charge and report underground ring blasts.
Survey	Surface and Underground Surveying	Manage survey station data and interface with data collectors.

For more information visit 3ds.com/products-services/GEOVIA/products/Surpac or email GEOVIA.Surpac@3ds.com.

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