

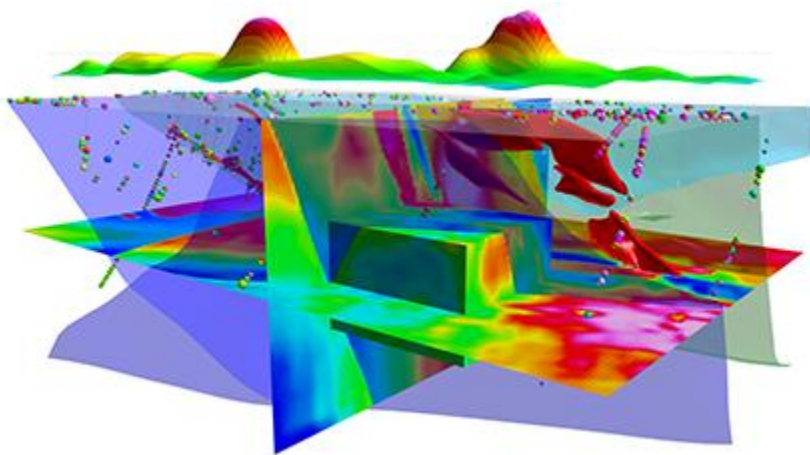


Mira Geoscience
...modelling the earth

GOCAD® Mining Suite – Advanced Interpretation Package

GOCAD Mining Suite is the industry-leading platform for 3D integrated modelling of geological, geophysical, geochemical, structural, and geotechnical data. It specializes in the modelling of challenging environments within the realms of exploration, resource assessment, mine sites, and geotechnical modelling. It is the leader in 3D geological and structural modelling; excelling where drillhole control is minimal or non-existent, as well as in geologically-based 3D geophysical modelling and inversion, complex stratigraphic and fault modelling, geotechnical rock mass modelling and hazard assessment.

Use *all* of your data, *all* of the time



GOCAD Mining Suite is configured into packages specific to the minerals exploration and mining industry. The packages are designed to suit the specific requirements of geologists, geochemists, geophysicists, structural geologists, and geotechnical engineers. They are designed for integrated 3D model-building across all commodity types and geological environments, leveraging the core ability to import, create, and integrate objects of all types in a single environment. It is a true 3D GIS, where both vector objects (points, curves, and surfaces) and raster objects (grids/voxets) can be built, imported, edited, queried, and visualized. This Common Earth Modelling platform allows technicians, geoscientists, engineers, and managers to develop, share, and collaborate on data, information, and models regardless of their respective discipline.

“I’ve had a chance to use SKUA (Implicit Modelling) on an active project and compare the results with conventional modelling. Generally, I’ve found most software looks good in the packaging and produces rather underwhelming results – SKUA was completely the opposite, I’m completely gobsmacked with how well it created an extensive, realistic regional model with a few scraps of a priori information.”

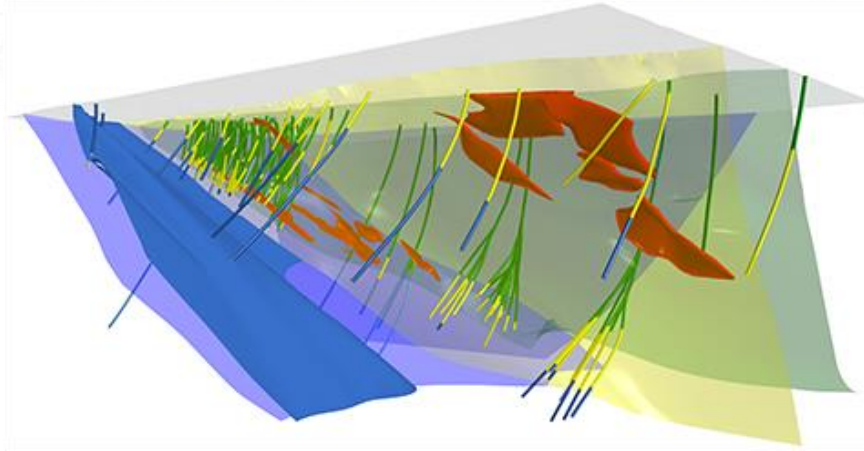
*-Adam Woolridge, Director
– Xpotential Geoscientific Consulting*

We have a package configured for your needs:

Role	Geoscience Exploration Package	Advanced Interpretation Package	Geotechnical Modelling Package	Integrated Modelling Package	Advanced Geophysics Package	Stratigraphic Modelling Package
Technician	✓					
GIS Technician	✓					
Geomodeller	✓	✓				
Geochemist		✓		✓		
Geologist	✓	✓				✓
Geophysicist					✓	✓
Structural Geologist		✓		✓		✓
Resource Geologist		✓		✓		✓
Geological Engineer			✓			
Geotechnical Engineer			✓			

Advanced Interpretation Package

Users: Geologists, Structural Geologists, Geochemists, Advanced Geomodellers



Focuses on multi-disciplinary construction, visualization, querying, and interpretation of integrated 3D data and models. It includes the full capability of the Geoscience Exploration Package plus the ability to digitize and edit 2D cross-sections, multi-parameter interrogation of block models, and geostatistical interpolation, estimation, and simulation. Adding the optional ioGAS-GOCAD Mining Suite Link presents the ideal configuration for querying, interrogating, and visualizing geochemical and alteration signatures in 3D.

GOCAD 3D Mining Viewer + Foundation Modelling Module

Multi-Core Support for Foundation Modelling Module

Maps, Cross-Sections, and Log Display Module

Mining Utilities Module

3D-GIS Module

+

Well Correlation and Stratigraphic Analysis Module

- *Digitizing/editing on cross-sections, strip logs, and maps synchronized with features; flattening at drillhole markers.*
- *Automated drillhole correlation using the stratigraphic column.*
- *Drillhole log ghosting, editing, and zone manipulation.*
- *Export drillhole logs to CSV.*

Interpretation Modelling Module

- *Advanced block model visualization.*
- *Voxel interrogation probe via 3D box, property co-rendering (up to three at a time), real-time slicer, fence cross-section, arbitrary user-defined axis.*
- *User-defined restricted view of open data (points, lines, surfaces, volumes etc.) in 3D camera window rendered to probe surface; includes 3-property co-rendering.*
- *Seismic data, full interpretation workflow with auto-picking and tracking in 2D/3D, cross-sections (maps) from probes.*

Velocity Modelling and Time-to-Depth Conversion Module

- *Kriging estimation engine for geostatistical estimation and simulation on 2D/3D grids and triangulated surfaces.*
- *Works in concert with variogram analyser e.g. auto-fitting, coordinates transform.*
- *Deformed grid geostatistics - a better way to unfold data properly.*