

# Vulcan Explorer

Vulcan Explorer provides an interactive 3D visualization and modeling environment to test and validate exploration models. Block models and 3D triangulated surfaces created with Vulcan Modeller, GeoModeller or MineModeller can be viewed.

## Base Modules

### Triangulation

- Create/edit 3D surface and solid triangulations
- Generate contours
- Register images with triangulations for better visualisation

### Vulcan 3D CAD

- Design and digitise lines, polygons, points and text
- View, analyse, interactively edit 3D data

### Data Transfer

- Import and export data between Vulcan and other applications
- ODBC connection to SQL Server™, Oracle® and MS Access™

### Plotting

- Configure user-defined plot style sheets with title blocks and user prompts
- Edit and regenerate plot files
- Set up and generate single plots using a wizard-style interface
- Generate multiple plots with batch-style interface using existing data specs

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## Add these modules

- + Block Modelling
  - + Grid Modelling
  - + ESRI ARCGIS Interface
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## Explorer Modules

### Geology

- Manage and validate drillhole, geophysical, lithological and analytical data in Vulcan or interface to third party databases
- 3D display and analysis of drillhole data
- 3D geological interpretation

### Block Model Viewing

- Visualise the block model
- Query information in the block model

### Statistics

- Statistical analysis of Vulcan databases, grids and block models
- Automatically output results and charts to MS Excel™

