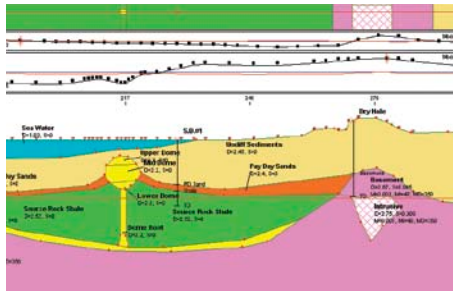


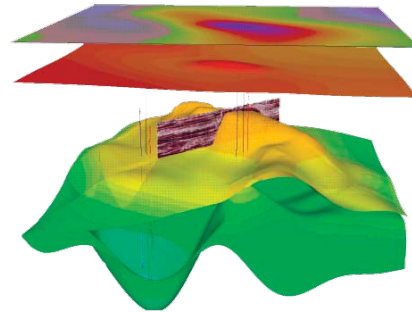
Which modelling solution is right for you?

A quick overview of GM-SYS Profile and GM-SYS 3D Modelling



GM-SYS Profile

Superior gravity and magnetics modelling solution



GM-SYS 3D

3D gravity and magnetic modelling

Overview

GM-SYS Profile Modelling is a user friendly and feature rich interactive gravity and magnetic mapping program. Using the Oasis montaj platform, it provides a range of gravity and magnetic mapping, modelling and interpretation solutions.

GM-SYS 3D is 3D gravity and magnetic modelling software for layer-earth models, developed as an extension for Oasis montaj. The extension, which requires MAGMAP, enables explorers to model complicated three dimensional subsurface structures of any size or scale.

Key Benefits

Geosoft's Oasis montaj earth mapping platform combined with GM-SY Profile gravity and magnetic modelling software:

- Creates an integrated 2D visualisation and modelling solution for Oil and Gas explorers identifying and characterizing potential reservoirs.
- Provides an optimal environment for integrating, viewing and comparing large volume geophysical, geochemical and geological data including well data in LAS format.
- Accelerates data analysis to support effective interpretation and target selection in daily decision making.
- Maximises the accuracy of final interpretations, thus helping to improve the potential for successful discoveries, reduce risk and minimise costs.

Geosoft's Oasis montaj earth mapping platform combined with GM-SYS 3D:

- Creates an integrated 3D visualisation and modelling solution for Oil and Gas explorers identifying and characterizing potential reservoirs.
- Easily create realistic models: layer properties may be constant, vary laterally or vary with depth or defined via a 3D voxel.
- Helps improve the potential for successful discoveries, reduce risks and keep costs down.
- Provides an optimal environment for integrating, viewing and comparing large volume geophysical, geochemical and geological data.
- Accelerates data analysis to support effective interpretation and target selection in daily decision making.
- Maximises the accuracy of final interpretations and optimise the more expensive aspects of their exploration program such as seismic acquisition or drilling.
- Unique hybrid approach to modelling, incorporating grids, geosurfaces, and 3D voxels for improved velocity models and seismic interpretations.

	<ul style="list-style-type: none"> Resolve base of salt from gravity bound by constraints of seismic modelling with more accurate representation of salt geometry and sub-salt density distributions.
Key Features	
<ul style="list-style-type: none"> Rapid model creation with the “starting model wizard”. Access Velocity/Density conversion tools. Flexible and robust model structure. Interactive model editing. Comprehensive model response. Time to depth conversion. Calculate the Geomagnetic Reference Field for a specific location and date. Enhanced Block Spreadsheet. Advanced and Intermediate Options available. Convert to/from other modelling software formats. 	<ul style="list-style-type: none"> Full Tensor Gravity Gradient Joint Inversion. Edit models to exactly your specifications, using inversion and other tools. Easily create realistic model structure – no limit to the number of layers or size of models. Thoroughly examine models – view model from any vantage point from both inside and outside the model. Convert from time model to depth model. Speed the modelling process and help to constrain variables, using a variety of import and export features. Sophisticated model response including gravity stripping. Power and speed of cloud computing from your desktop with VALEM 3D gravity inversion service. Integrates with other software.
Options	
<p>Intermediate option includes:</p> <ul style="list-style-type: none"> 2¾D modelling. Joint Inversion. Seismic Bitmap. <p>Advanced option includes:</p> <ul style="list-style-type: none"> SEG-Y Reader. Gravity & magnetic gradient calculations. High-resolution modelling. Grid response. 	<ul style="list-style-type: none"> VALEM on-demand, cloud-based inversion service, offered as an addition to the GM-SYS 3D extension for Oasis montaj.
Differences	
<ul style="list-style-type: none"> Suitable for modelling 2D or 2½ D (pseudo- 3D) structures. Real-time calculation feedback as model is edited. 	<ul style="list-style-type: none"> Model complex 3D environments. Multiple inversion algorithms to optimise model. Full 3D visualisation.
Requirements	
<ul style="list-style-type: none"> Software requirements: Geosoft Oasis montaj. Hardware requirements are available on the Geosoft web site. 	<ul style="list-style-type: none"> Software requirements: Geosoft Oasis montaj + MAGMAP Filtering Extension. Hardware requirements are available on the Geosoft web site.
Price	
<ul style="list-style-type: none"> Contact a Geosoft Solution Advisor. 	<ul style="list-style-type: none"> Contact a Geosoft Solution Advisor.