



Tensor Research

Geophysical Software, Research & Services

SOFTWARE
SALES
RESEARCH
CONSULTING
TRAINING

Tensor Research provides advanced geophysical software development, implementation and training services to explorers, service organisations and instrument developers involved in the use of potential fields to explore the subsurface. The founders have been intimately associated with leading edge geophysical research at Encom Technology and now in cooperation with Pitney Bowes Software, we continue to develop advanced geophysical applications that work with Encom PA Professional, Encom Discover, Encom ModelVision and Encom QuickMag.

Our primary focus is the advanced use of potential field data from standard to advanced instruments for the direct interpretation of 3D geological problems. The magnetic and gravity method of geophysical investigation are in routine use throughout the world for all forms of exploration and subsurface investigation. Yet, much of the important geological information remains locked in the data due to limitations in available processing procedures or an inappropriate use of black box solutions. At Tensor Research our Team's primary objective is to extract the maximum geological information from current and future potential field surveys through the appropriate use of interpretation technologies.

SOFTWARE

Tensor Research
Encom ModelVision

Pitney Bowes Software

Encom PA Professional
Encom PA Explorer
Encom QuickMag



Tensor Research

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Advanced exploration
technologies

consulting
software
training
support



Potential Fields Research

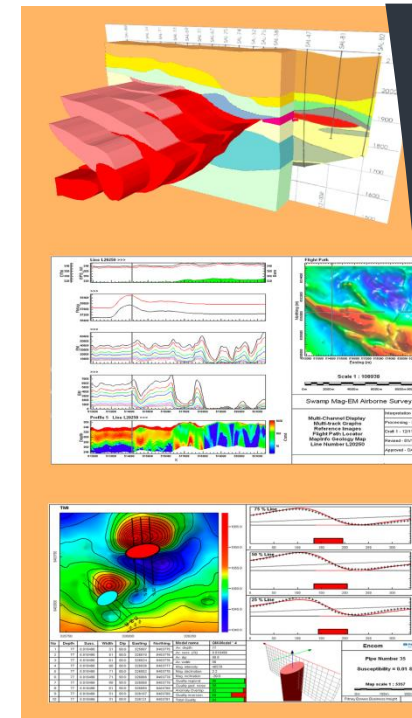
INCREASING YOUR EXPLORATION SUCCESS

Tensor Research provides you with an experienced team of geophysicists with over 100 man years of software engineering and theoretical research that we apply to your specific problems.

We specialise in potential fields research covering forward and inverse modelling, filtering and analysis of magnetic and gravity data. We can help you get more from the latest generation of instruments including full tensor gravity and magnetic systems, cross-wing gradient, fluxgate and total magnetic field instruments.

We develop custom and generic solutions that integrate with your desktop applications and enhance your investment in existing software, hardware and operational surveys.

Tensor Research in joint venture with Pitney Bowes Software is the developer and Reseller of Encom ModelVision the world leading potential fields workbench. Our rich technology base can be customised to provide integrated solutions, especially using the open solutions available with Encom PA Professional.



OUR SOLUTIONS

- NEW GEOPHYSICAL RESEARCH
- CUSTOM RESEARCH
- THEORY DEVELOPMENT
- ALGORITHM DEVELOPMENT
- ENCOM MODELVISION
- ENCOM PA
- ENCOM QUICKMAG
- GEOPHYSICAL CONSULTING
- SOFTWARE TRAINING
- IN-HOUSE REVIEWS

Geophysical software for your exploration needs

Encom ModelVision your potential fields workbench

Encom ModelVision provides a solution for every 3D magnetic and gravity problem. Whether you work in mineral exploration, diamond exploration, petroleum exploration, environmental geophysics, engineering, unexploded ordnance or underground hazard assessment, Encom ModelVision can provide you with a complete modelling, processing and inversion interpretation environment. Designed by geophysical interpreters for geophysical interpreters, Encom ModelVision is the most advanced general purpose model-based interpretation system available.

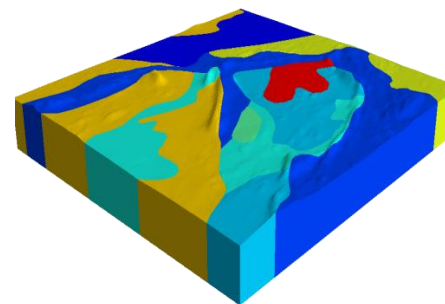
- quality depth estimation
- rock properties density, susceptibility, remanence
- 3D shape mapping and dip estimation
- geological sections, maps and perspective views
- gravity terrain correction
- ground and airborne gravity interpretation
- airborne gravity gradiometer inversion
- ground magnetic survey interpretation
- airborne total field, gradient and tensor inversion
- line and map based FFT filter analysis
- AutoMag & UBC voxel model extensions

INTEGRATED SOFTWARE SOLUTIONS FOR GEOLOGICAL MODELLING, ANALYSIS & VISUALISATION

Encom PA Explorer & Professional

The Encom PA interpretation products will change the way you work by making it easy to explore, interpret and visualise data and models of the subsurface. Encom PA is suited to interactive interpretation and consistent presentation of the outputs from all your geoscience software applications.

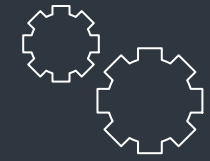
- create exciting maps, images and 3D displays
- create profiles, logs and sections
- visualise mine and geophysical voxel models
- prepare the ultimate presentation or talk
- fly live through a 3D project
- link to other software
- enhance primary data
- ensure effective decision making



Encom QuickMag

Encom QuickMag builds reliable geological models from magnetic anomalies in a fraction of the time of manual methods. Just point at an anomaly, choose a geological style and QuickMag will automatically construct a 3D model of the magnetic source.

- Fast, realistic 3D modelling
- Depth mapping
- Remanence mapping



CUSTOM SOLUTIONS

Using our extensive collection of processing, modelling and inversion algorithms, we can customize a solution for your specific needs. This may include processing or interpretation elements for an in-house system or new instrument development.



SOFTWARE

Our software solutions are used around the world by explorers, government, scientists, engineers and educators. You can take advantage of our long history with the practical application of these products when purchasing to make sure they are optimized for your special needs.



SERVICES

We provide in-house training in the use of Encom ModelVision, Encom PA Professional, and Encom QuickMag. We also offer interpretation and processing services using these products to solve practical geosciences problems.

