



DATA INTERPRETATION SERVICES

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With the use of its unique software with features found in no other product, Petroseikon is able to provide a range of geophysical data interpretation tools for exploration.

Quality Control for EM, Gravity and Magnetics

Our years of experience in data interpretation and analyses combined with our experience and understanding of the measuring equipment together with our mathematical and geophysics expertise, we are able to provide a unique insight and understanding of your data quality. *On site data QC provided.*

Airborne, Ground and Borehole data

Survey Design and Contracting

We provide services to help you design an appropriate survey. We will provide services to find the appropriate survey contractor and help you negotiating an appropriate contract and follow through to ensure you receive the appropriate and best services and receive the final data products.

Airborne, Ground and Borehole data

Data processing and Data Deliverables

We can provide all the basic data processing and quality control on the data and deliver the required data products including final processed data and maps.

Airborne, Ground and Borehole data

Processing Products

Magnetic and Gravity Corrections With the use of our exceptionally accurate and unique algorithms, we can provide accurate and sophisticated data corrections including all of the basic data corrections.

Magnetic and Gravity Gradients: With the use of our exceptionally accurate and unique algorithms, we derive processed derivatives from total field data that are virtually indistinguishable from measured gradients.

Gridding: Extremely accurate, high resolution, local gridding techniques designed for satellite data but now available for airborne geophysics.

Why spend millions on a modern survey and use ancient tools for producing your maps?

Airborne Magnetic Processing: The most versatile and adjustable magnetic compensation software and the most general de-rotation of your gradients.

Airborne EM Processing: Accurate decay analyses maps for all airborne TEM systems, accurate apparent resistivity and depth estimates for your airborne HEM data.

Inversion Products

Gravity and Magnetics: Three dimensional, detailed inversions including inversion of your gradient and vector data for airborne and ground data or combinations.

Airborne Time-Domain: Accurate, stacked, one-dimensional inversions or fast approximate conductivity depth-images. for VTEM, MegaTEM, GeoTEM, HeliGeoTEM and AeroTEM

Airborne Frequency-Domain: Accurate, stacked, one-dimensional inversions or fast approximate conductivity depth-images. Towed helicopter or fixed wing systems.

Ground Time-Domain: Accurate one-dimensional inversions for either fixed or moving loop surveys. Use both your in-loop and out-of-loop data.

3D Extended Euler Depths: for gravity or magnetics using derived or measured derivatives. Ground or Airborne data.

3D Geophysical Models:

Before you drill, why not build an accurate 3D model of the geology from your geophysics? If you have spent large amounts on your data, why not spend a little more to ensure your drill doesn't miss.

EM, Magnetic, Gravity, Resistivity or IP.

We provide integrated models for all of your data related to your exploration objectives.