



# **TECHNOIMAGING**®



**Proprietary software that transforms geophysical data into large-scale 3D earth models**

## Geophysical Modeling and Inversion Services

**Petroleum Exploration  
Mineral Resources  
Environmental  
Urban Planning  
Civil Engineering  
Infrastructure  
Archeological  
Other Applications**

- Airborne EM
- Borehole EM
- Controlled Source EM
- Gravity
- Gravity Gradiometry
- Joint Inversion
- Loop-Loop FD
- Magnetic Gradiometry
- Magnetics
- Magnetotellurics
- Marine CSEM
- Resistivity/IP
- Towed Streamer EM
- ZTEM
- Other Methods

**Glass Earth**® proprietary toolset of analysis and imaging technologies by TechnoImaging® renders the top kilometers of the Earth transparent.

**EMVision**® software package by TechnoImaging® was developed for processing, 3D inversion and 3D modeling of all kinds of geophysical data.

**EMVision**® makes it possible to transform data sets of any size into earth models, including extremely large surveys, with the option of integration and joint inversion of different types of geophysical data.

- 3D forward modeling based on the integral equation (IE) method with multiple inhomogeneous domains ensures high stability and accuracy of the results

- The moving sensitivity domain approach provides a unique capability for 3D inversion of large-scale geophysical surveys to models with fine-grid discretization

- Joint 3D inversion with Gramian constraints delivers an integrated geophysical model based on multimodal geophysical data

- 3D inversion with focusing regularization provides images of geological targets with sharp and focused boundaries

- Custom R&D for unique system configurations or prototype data is available

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