Hundreds of Surveys Worldwide Since 1975!

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Cost-Effective Geophysical Exploration

Phoenix Geophysics SSMT™ Survey Services can help you zero in on gold, uranium and base metals, kimberlites, geothermal sources, and oil & gas deposits.

World Leader in EM Methods Since 1975
- Phoenix has specialized in electromagnetic (EM) instrumentation and services for over 30 years and has been the world leader in magnetotellurics (MT) since 1980
- We design, build, and operate complete systems: transmitters, receivers, sensors, and software
- We provide complete survey solutions: planning, instrumentation, data acquisition, and interpretation
- Our patented industry-leading equipment is GPS synchronized, with 24-bit resolution and sophisticated noise-reduction techniques
- We use both natural-source and controlled-source EM methods — MT/AMT, CSAMT, TDEM
- We’ve performed hundreds of surveys and sold hundreds of systems to exploration companies and other clients in over 80 countries

Customized Service
- Close collaboration with every client, beginning with a feasibility study, modelling customer parameters
- Clearly explained, custom survey design to meet client goals

State-of-the-art Interpretation
- Senior geophysicists at Phoenix have 30 years of practical experience interpreting a wide variety of geophysical problems

MT/AMT for Detection of Deep Metallic Deposits, Kimberlites


MT ADVANTAGES:
- exploration from surface to kilometres deep, beyond the reach of other surface or airborne techniques
- light-weight portable equipment and small crews
- no heavy or expensive man-made signal source
- practical over geological compositions from highly resistive to highly conductive — “sees through” thick conductive (clay) cover
- exploration in any season
- negligible environmental impact
- suitable for both greenfield and brownfield exploration