Titan 24 DCIP & MT Distributed Surveys

DISTRIBUTED MT/IP ARRAY TECHNOLOGY:

This system is the result of a 4-year effort to develop advanced tools for precise and deep subsurface infor-mation. Designed to collect highly accurate full wave form information through distributed 24-bit receivers, Titan 24 is proven technology that has been applied in over 100 surveys, and has imaged several impressive ore bodies found at depths greater than 500 metres.

The crews are experienced, the system is robust and can be executed just about anywhere. Surveys have been carried out in a variety of geological settings and geographic conditions and climates.

IP:

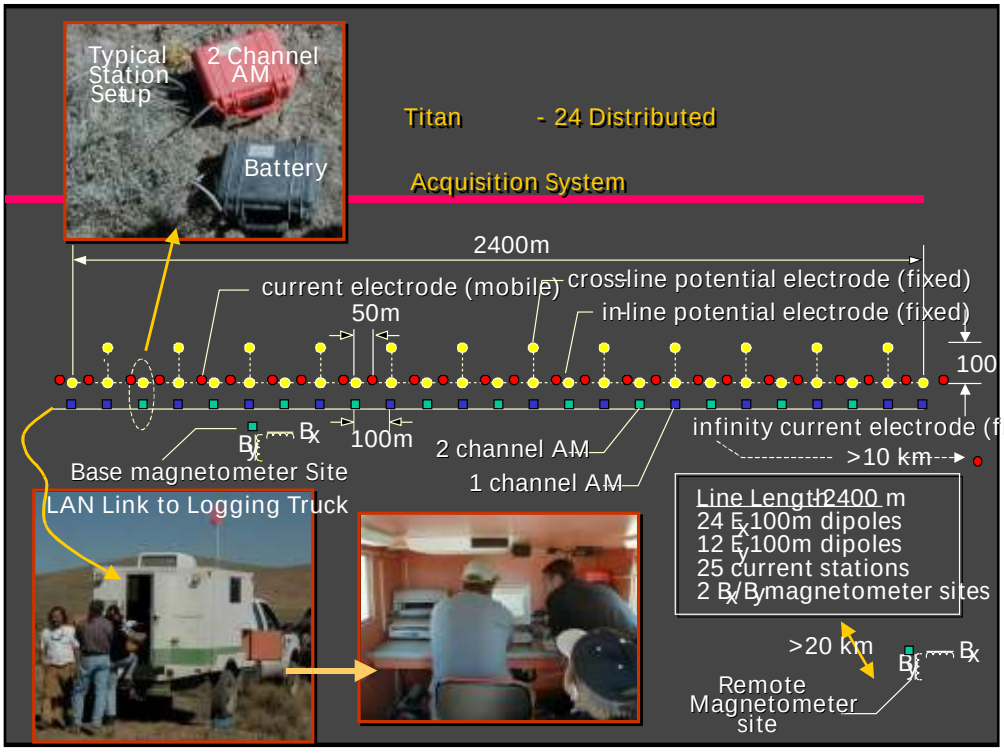
Deep chargeability data collected with n=1-24 and greater, an “a” spacing of 50, 100, 150 or 200 metres provides greater data density and deeper penetration for accurate IP chargeability and DC resistivity inversions to depths of 750 metres.

MT:

Magnetotelluric resistivity data collected over a long recording period and large frequency range at 24 stations simultaneously with 100 metre station separation provides greater lateral resolution and accurate imaging of resistivity to depths of 1 to 2 kilometres, and greater. Proprietary inversion software, developed by Phil Wannamaker, yields more accurate resistivity imaging capabilities.

TITAN 24 - Deep Electrical Earth Imaging

The array based Titan 24 Deep Earth Imaging system is the most advanced electrical earth imaging technology to date. Measuring the parameters of DC (resistivity), IP (chargeability) and MT (magnetotelluric resistivity), Titan 24 measures to depths of 750 metres with IP, and can explore beyond 1.5 kilometres with MT data. These depths and multi-parameter data make the system the best option available for obtaining subsurface pre-drilling information related to geologic structure, and for the detection of mineral deposits any where in the world. Titan 24 can highlight subtle features through thick cultural overburden, making it an important investigation tool where the effectiveness of traditional methods has been limited. The system provides a strategic advantage at grass roots stages, and allows for the reassessment of areas covered previously by less sophisticated exploration methods in and around established mining grounds.



Features:

- Improved accuracy of MT data due to high resolution signal processing and simultaneous field measurements, continuous profiling and a broad band AMT/MT, frequency range of 10kHz to 0.001Hz
- Sophisticated digital signal processing
- High volume full waveform data sets (multi-fold) drives accuracy into the inversion process providing high resolution and improved interpretability
- Deep DC/IP information from multi technique, multi current injection, N>>20
- Rapid Data Collection
- Fast Interpretation

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EXPLORATION TARGETS:

- Gold
- VMS Copper Zinc
- Nickel Sulfide
- Porphyry Copper
- Unconformity Uranium
- Diamonds

APPLICATIONS:

- Penetrate thick overburden
- Focus deep drilling
- Delineate and evaluate deposits
- Deep regional earth studies
- Grassroots exploration
- Brownfield mine site surveys

BENEFITS:

- Rapid and thorough exploration
- Characterization of principal ore bodies
- Discovery of new targets
- Focused drilling and effective drill budgeting
- Reduced risk
- Build investor confidence and attract financing

Titan 24 is the most sophisticated technology in the world for collecting deep subsurface information down to 1.5 kilometres.

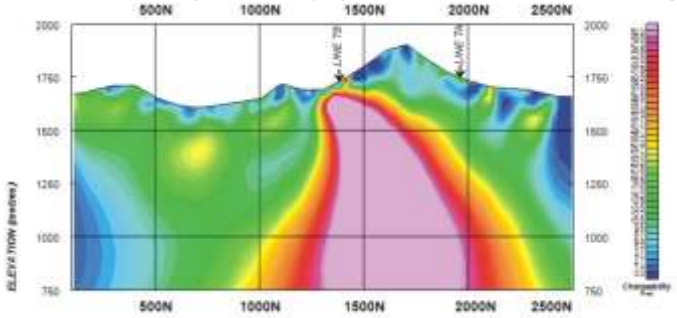
Deeper Exploration

As large ore bodies become increasingly difficult to find, deeper exploration is becoming increasingly relevant in today's mining environment. By looking deeper into a property, its true value can be assessed up front, resulting in greater foresight into a project's long term potential.

While deep drilling can be expensive, Titan 24 focuses drilling and achieves success by clearly prioritizing targets. With the depth achieved, Titan 24 is a highly cost effective means to not only unlocking, but realizing a properties full value.

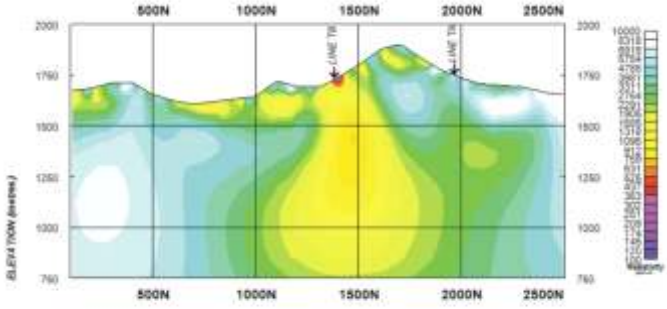
Typical Data Products from a Titan 24 line

IP Chargeability *(UBC 2d Inversion model)*



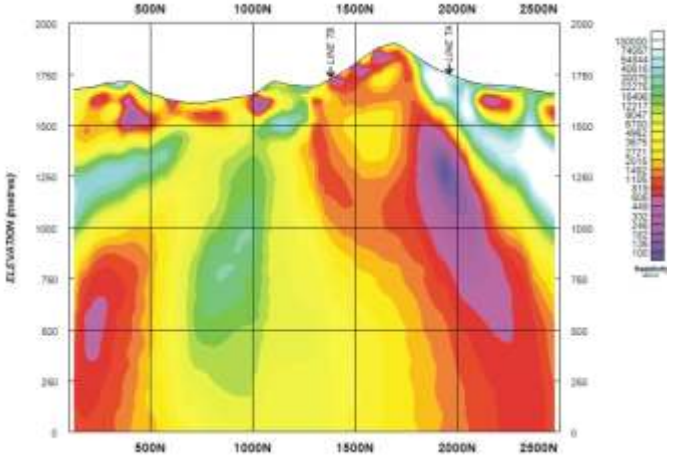
750 metres

DC Resistivity *(UBC 2d Inversion model)*



DC resistivity & IP (chargeability) inversion sections are presented from 0 to approx. 750 metres, depending on the environment. 3d inversion available.

Wannamaker Model - 2D MT Resistivity



Typically 1500 metres

MT resistivity inversion sections are presented to depths of 1500 metres and greater, depending on client request and line length.

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MINESITE EXPLORATION:

Titan is capable of working in highly cultured areas where traditional geophysics are limited, presenting a new way to target drilling in and around minesites. Distributed technology, digital signal processing and data over sampling are some of the features of Titan 24 technology that allow the acquisition of information in culturally harsh environments.

TITAN HAS DETECTED...

Ni Sulfide:
Raglan 8H - 600 m
Voisey's Bay - 600 m
Nickel Rim South - 1000 m

VMS:
San Nicholas - 300 m
Half Mile Lake - 600 m

Copper Porphyry:
Kemess North - 500 m
Resolution - 1400 m

Unconformity Uranium:
Shea Creek - 700 m

Anywhere, Any Weather!






About Quantec

Quantec Geoscience Ltd. has been helping with discovery for over 20 years.

Our offices throughout the world allow access to a collective knowledge database of thousands of projects with practically all possible geophysical surveys.

Global Office Locations

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titan24 DEEP EARTH IMAGING

Quantec Geoscience

Titan 24 DCIP & MT Distributed Surveys

Our Clients Make Discoveries & Effective Drilling Decisions

Northgate Minerals Corporation – Porphyry Copper

"The discovery of another large mineralized system in the Kemess camp is very exciting. Equally important is the success of the Titan 24 deep penetrating IP survey technique, which has proven itself to be an excellent predictive tool for spotting drill holes on the Kemess property in areas where there is no surface expression of mineralization."

President and CEO, Ken Stowe

African Copper Plc – Copper

"Drilling of Titan 24 geophysical anomalies let to an extension of known mineralization for 350 metres to the south. The discovery of previously unknown mineralization within the deformation zone at Dukwe was a direct result of using the Titan 24 geophysical system. This cutting-edge technology has allowed us to extend mineralization within sight of our processing facility. We are excited by the success that has been achieved in the drill testing of the first Titan 24 generated target."

CEO, Joseph Hamilton

Lonmin Plc – PGM, Gold

"Lonmin is pleased to announce the discovery of a new zone of significant low sulphide high PGM mineralisation on the Capre property, see Figure 1, one of six properties which comprise the previously announced PGM joint venture with CVRD Inco Limited in Canada's Sudbury Basin. The mineralisation has been intersected in 10 holes drilled on a south plunging weak Titan IP anomaly generated by a surface geophysical survey."

Vice President, Investor Relations and Communications, Alex Shorland-Ball

Tribute Minerals – Copper, Zinc

"Tribute Minerals is pleased to report on the results of the fourth hole (GL-2004-04) from its four hole -2,280 metre Phase 1 diamond drilling program on the Arrow zone of the Garnet Lake Property in the Confederation Lake area, Red Lake Mining Division, northern Ontario. The hole intersected high grade zinc and copper mineralization with 4.25 metres of 17.41% Zn and 0.68% Cu. The drill program was designed to test targets identified by the Quantec Geoscience Inc. Titan 24 IP/MT geophysical survey."

President and CEO, Ian Brodie-Brown

Escape Group – Gold

"The Escape Group recently surveyed the Red Rock gold property in Nevada using the Titan 24 DCIP and MT geophysical technology. This modern and highly advanced system was used to enhance the exploration model prior to initiation of a diamond drill program. Chris Pratt, V.P. Exploration expanded the original Titan survey once the preliminary data was received as the geophysical signature extended the known targets outside the Discovery Zone to the north towards the Red Rock thrust and east towards the proximal rhyolite dome."

President and CEO, T. John Magee

Blue Note Mining Inc. – Base Metals

"A large-scale geophysical program is planned over the Caribou and Armstrong properties for fall 2007 and winter 2008. The 210 line-kilometre ground geophysical survey has been contracted to Quantec Geoscience and will be conducted using the Titan 24 DCIP and MT system. The planned geophysical survey will allow the company to develop quality exploration targets by outlining anomalies in under explored areas along strike and down dip of the mineralized stratigraphies hosting the Caribou and the Armstrong deposits. Contingent on the geophysical survey results, an extensive drilling program is planned to follow-up the exploration targets."

Vice President, Investor Relations, Lorne Woods

El Nino Ventures Inc. – Base Metals

"A partially completed MT/IP Titan 24 survey conducted over the 'Brunswick Horizon', between Brunswick No.12 and Brunswick No. 6 (past producer) indicated several interesting geophysical signatures that will require follow- up work and diamond drilling.

Titan 24 can measure down to depths of 750 meters (2,460 feet) with IP, and can explore beyond 1.5 kilometers (down to about one mile) with MT data. These depths and multi-parameter data make the Titan 24 one of the best options available for obtaining pre-drilling information related to geological features at depth."

Vice President, Investor Relations, Lorne Woods

Franconia Minerals Corporation – Porphyry Copper

"Franconia announces the results of a Titan 24 multi-channel geophysical survey conducted on the 8,000 acre Red Knoll property in Graham County, Arizona. The survey indicates that potential host rocks for a porphyry copper system are present beneath volcanic cover in an area between Phelps Dodge's Morenci mine, the largest copper producer in the US, and the Safford porphyry copper district. Franconia is targeting concealed porphyry-style copper mineralization in Laramide-age volcanic rocks buried beneath post-mineral volcanic cover."

President, Bruce Gavin

Cypress Development Corp. – Gold

"A 'Titan 24' electrical survey was completed on the Gunman property. The Titan 24 survey results indicate a series of strong, discrete conductors apparent along Titan line 300E. Detailed geologic control from surface mapping indicates that these three conductors occur within north to south striking RH Zone stratigraphy, and represent a very prospective series of anomalies."

Vice President of Explorations, David J. Busch