



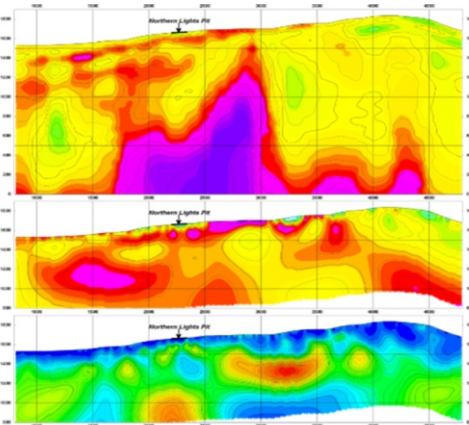
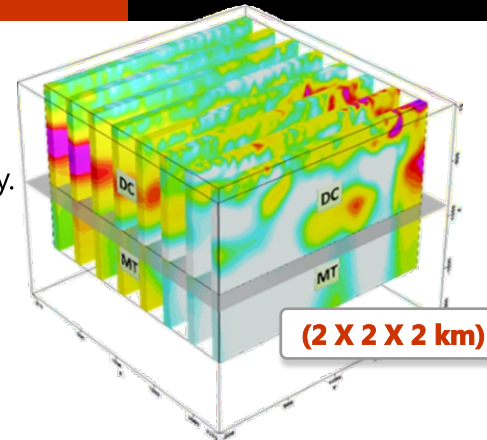
TITAN

2D Distributed Multi-Parameter Imaging

Technology for Discovery

TITAN DCIP & MT array-based system provides the most sophisticated and accurate 2D electrical imaging of the subsurface available. Quantec has performed over 500 TITAN surveys globally. TITAN continues to evolve and is more flexible than ever.

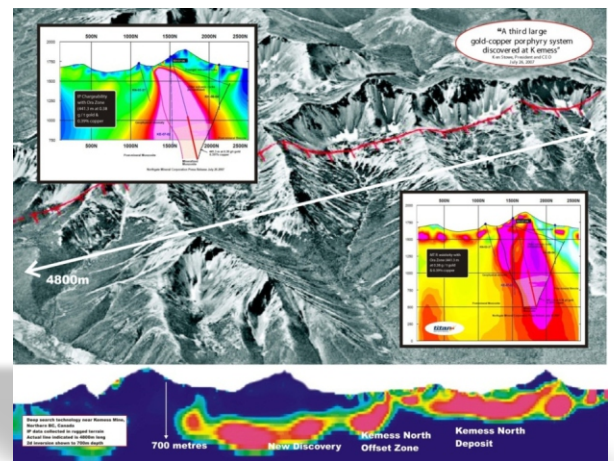
- Ideal for drill planning & accurate high resolution target delineation
- 48-hour inversion results turn around time per line
- From surface to depths of 2000 metres (DCIP to 750m, MT to 2000m)
- Property and deposit scale imaging prior to drill programs



Top: MT Resistivity
typically > 1500 - 2000m.

Middle: DC Resistivity
typically upto 750m and greater.

Bottom: Chargeability
typically upto 750m.



Contributing to discovery

Overview

The array-based **TITAN** system provides deeper information to enhance drilling efforts. **TITAN** is a multi-parameter distributed ground geophysical survey system that acquires large volumes of highly accurate DC resistivity and IP as well as MT resistivity from surface to great depths.



- Imaging through overburden conditions
- Detection of deep, more subtle geophysical responses
- Delineation and evaluation of ore deposits
- Provide guidance on deeper drilling
- Discovery of new deep targets
- Regional deep earth studies



APPLICATIONS:

- Mineral exploration (massive sulphides, porphyries, IOCG, gold, VMS, SEDEX, uranium, and diamond)
- Minesite investigations • Brownfield exploration • Hydrocarbon exploration • Geothermal exploration

Over 400 surveys completed globally



TITAN - Proven effective at reducing drilling costs

**Illuminating the subsurface
since 1986**



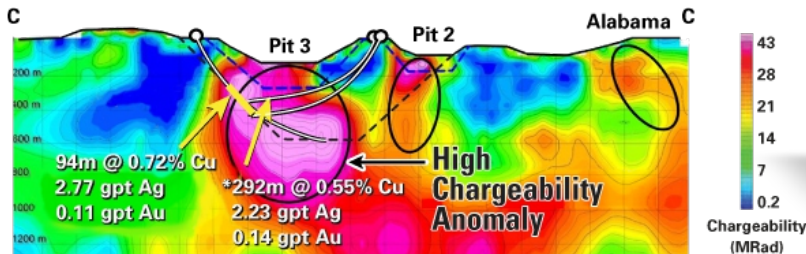
- 100 % duty cycle all the time provides high signal to noise ratio data for improved response detection
- All transmitter signal time series is recorded and deconvolved from the recorded data in processing
- Superior signal to noise ratio
- Digital signal processing with optimized noise rejection and reduction strategies
- Power line noise rejection: 60 Hz or 50 Hz • Telluric cancellation option available for IP surveys
- Full-waveform time series data acquisition
- Current monitoring for processing optimization and noise cancellation
- Multi-fold acquisition – pole-leading and pole-lagging – for unbiased 2D high data density
- Scalable, n=1-70* with flexible “a” spacing (25, 50, 100, 150, 200 or 400 metres)

OPTIONS with TITAN

- Titan IP mode - very large n available for large scale deep IP (n=70, a=100)
- Titan MT mode - super high resolution MT
- Optimized layouts to achieve desirable depth of investigation over any grid size
- Variable imaging array geometry (detailed in central portion of line)

Mine site Imaging

Proven effective at the mine site



Mine Planning

- Map resistivity to depth at the mine planning stage
- Condemnation surveys
- Locate potential satellite ore
- Map deep structure and potential water
- Tailings planning mapping

Exploration

- Assist near mine exploration efforts
- Target to 1500 metres
- Extend life of mine



**Global
Office
Locations**

HEAD OFFICE

TORONTO, CANADA: +1 416 306 1941

USA: +1 403 919 6644

ARGENTINA: +54 261 496 1414

CHILE: +56 2 2368 4564

PERU: +51 54 288 686

BRAZIL: +55 61 981 230 671

AUSTRALIA: +04 10 529 992

Exploration Enquiries

info@quantecegeoscience.com