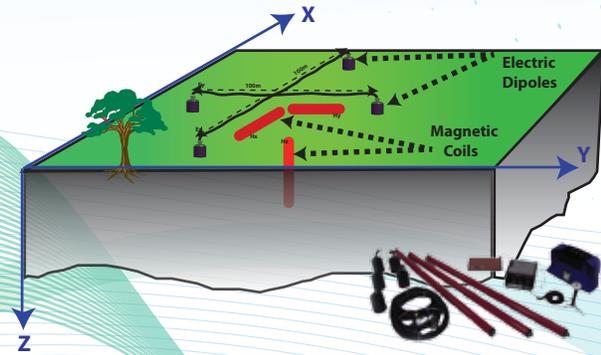




OMEGA MT

Ultra Wide-band Technology

Introducing the latest Ultra Wide-band Magnetotelluric (MT) technology, which provides simultaneous recording with one set of sensors for full AMT and MT frequencies from 10,000 Hz to 50,000 seconds and also offers a much better resolution in the dead bands. A very compact and low power consumption system providing affordable field operations and intelligent field QA/QC and data processing solutions.



Mining

- Base & precious metals mapping
- High-resistivity surface (volcanics, carbonates, igneous)
- Over-thrust, fold belts, volcanics
- Can be combined with seismic or other methods to enhance understanding
- Deep porphyry system mapping

Geothermal

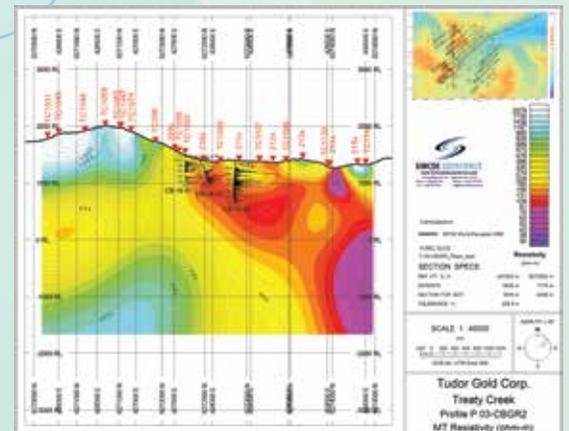
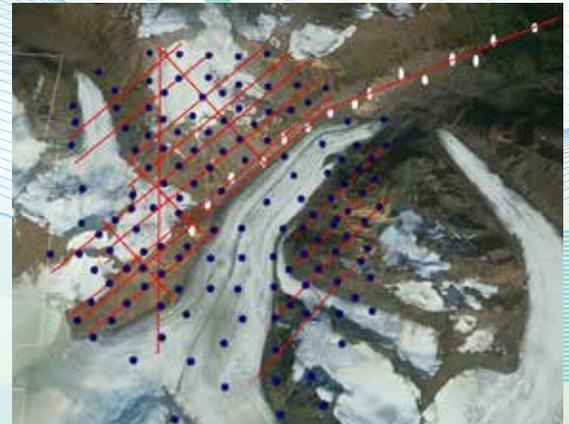
- Mapping of deep seated structures
- Detection of high steam flow regions

Reconnaissance or Detail

- Detail: prospect definition - spacing = 250m - 500m on profiles or grids
- Recon: areal coverage - spacing = 1-5 km on profiles or grids

Adaptable

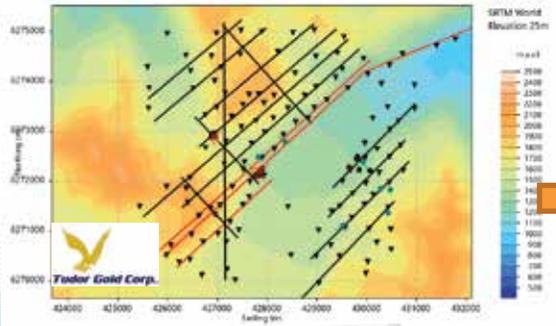
- In any topography stations can be put out, in even the roughest conditions



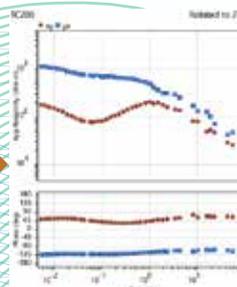


Exploration Process

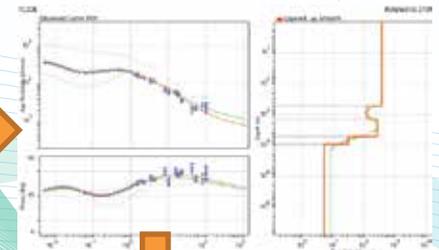
Survey Design



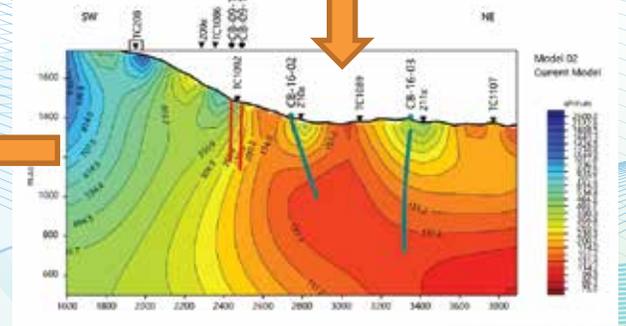
Data



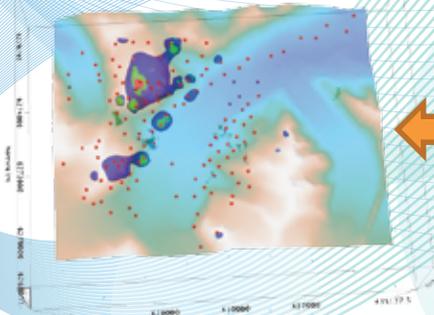
QA/QC



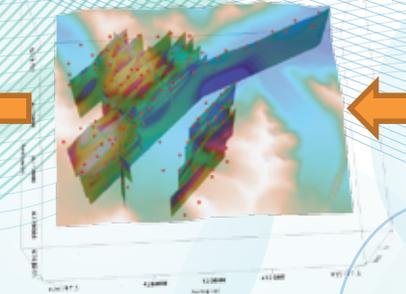
1D



2D



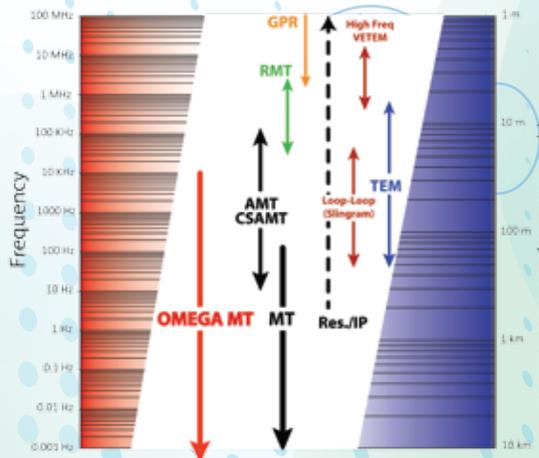
Target Generation



3D

Technology Comparison

Depth information is a function of frequency. Certain system with shorter and higher frequency spectrum can penetrate into the earth to limited depths only, while MT method can provide great depth information.



Advantages

- Great depth of penetration (10's of kms)
- No transmitter or source required
- Light-weight equipment --very portable
- Good production rate (2 - 5 km/day)
- Better resolution than gravity/mag
- Well-developed and fast interpretation
- Little impact on environment
- Can access almost anywhere

