

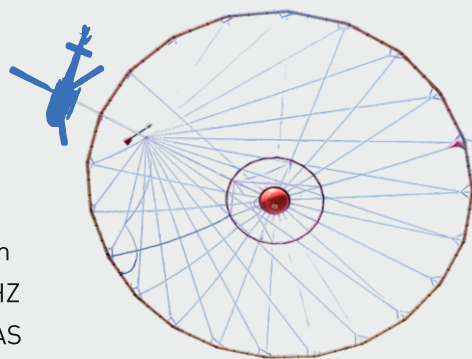
AGP-TEM is a multipurpose state-of-the-art time-domain helicopter borne electromagnetic system provided high-resolution conductivity imaging with high exploration depth and enhanced sensitivity to geologic targets

ADVANTAGES

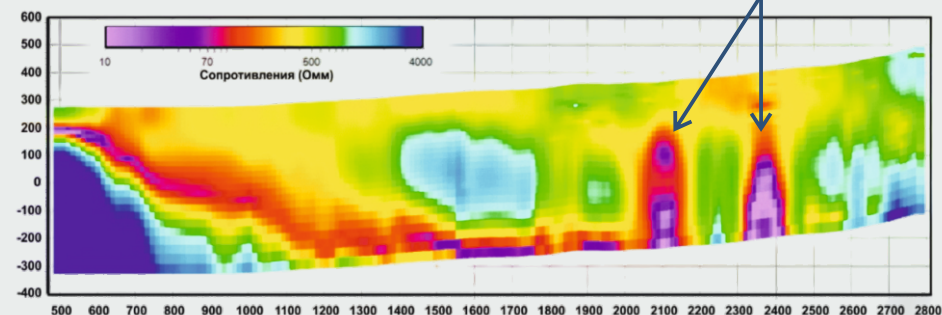
- Small footprint and low height of the receiver provides high resolution of conductivity mapping
- Flexibility in terms of power, shape of the transmitter waveform, base frequency, pulse length
- Multi-coil receiver assures mapping geological bodies permitting determination of target orientation and dip
- High sample rate of the digital receiver increase suppression of high-frequency noise sources (such as radio transmitters)
- Easy assembly and installation on a wide range of helicopters
- Broad bandwidth provides data of both deep and shallow targets
- Special suspended receiver coil system offers a low noise level at late times and therefore allows to detect weak conductors at depth
- Durable and aerodynamic carrier frame make it possible to significantly increase the maximum flight speed for cost-effective data acquisition

KEY PARAMETERS

- Receiver: X, Y, Z
- Pulse Shape: polygonal
- Pulse Length: up to 10 ms
- Transmitter coil diameter: 20 m
- Raw data sample rate: 1.25 MHz
- Full waveform streaming by DAS
- Peak Dipole movement: up to 600 000 NIA
- Position of Receiver: in the center of transmitter loop (co-incident loop geometry)
- Base Frequency: 25Hz or 75Hz (in a 50 Hz environment) / 30Hz or 90Hz (in a 60Hz environment)

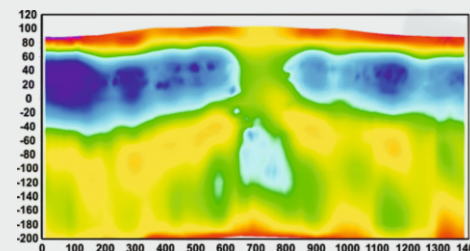


Copper-nickel deposits exploration

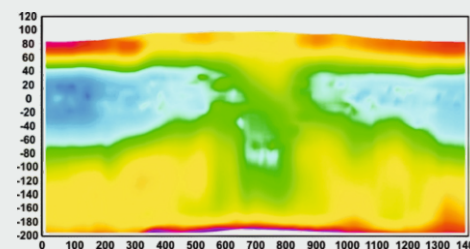


Sulphides with copper-nickel ore

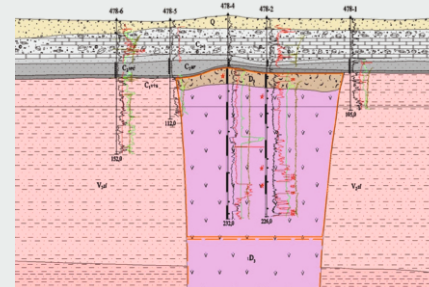
AGP-TEM is designed to get optimum results for specific application by flexible customization



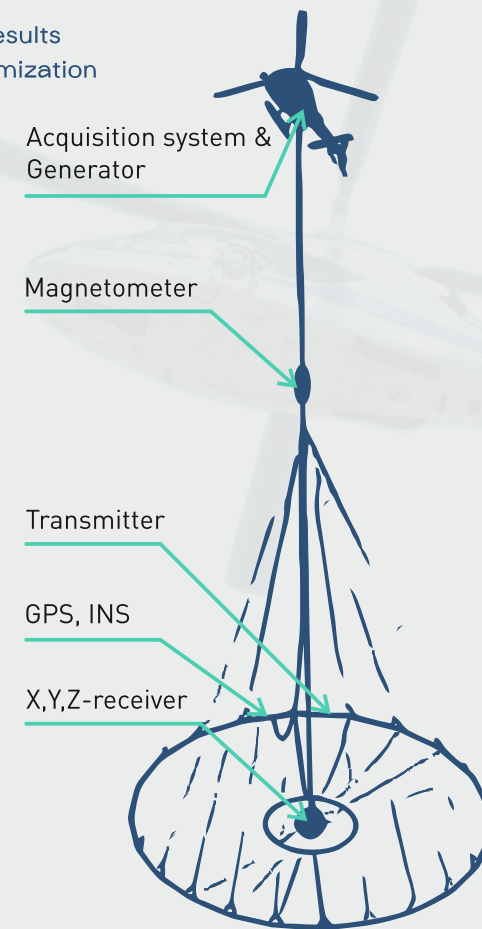
AGP-TEM



HELITEM²



Geological section



AGP-TEM simultaneously acquire EM, magnetic, navigation and (optionally) gamma-ray spectrometry data