

HeliTEM®

The exploration for the Center for Geological Research and Analysis target in MMHI's Khanbogd project area in the Omnogovi Province of Mongolia (2129-line km).

The survey aims to map the location and extent of conductive lithologies associated with base metal mineralisation, with potential for high conductance targets from near surface to significant depths.

Given the stated objectives, Xcalibur deploy the lowest base frequency variant of our HeliTEM® AEM system for this project. Xcalibur's HeliTEM® system offers a 35 m transmitter loop to provide high moment and rigid loop technology ensuring low system noise. HeliTEM® features a concentric receiver providing ease of interpretation, high signal and resolution due to the low receiver height and symmetric response.

Transmitting a 560,000 Am² square wave pulse and operating at 6.25 Hz base frequency, as HeliTEM® provide deep imaging over the full survey area (in excess of 600m depth depending upon conditions), and will do so without compromising the definition of shallower or more subtle targets.

With 4 x the off - time of 25 Hz systems, 6.25 Hz HeliTEM® will better characterize the full decay of high conductance targets and those lying at significant depths, while also allowing better differentiation between cover and target responses.

The helicopter will also be equipped with magnetic and radiometric sensors., acquiring magnetic and radiometric data.

