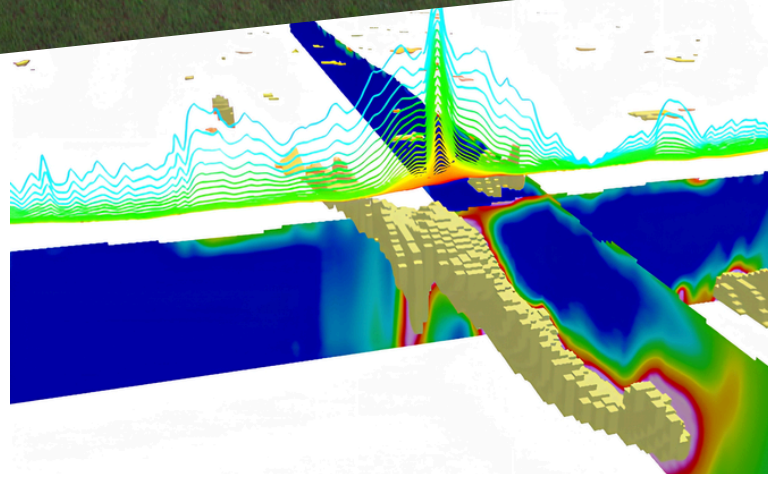




XCITE™: THE NEXT GENERATION OF AIRBORNE TDEM

AXIOM GROUP is thrilled to introduce Xcite™, the next generation in Airborne time-domain electromagnetic (TDEM) systems, exclusively developed by New Resolution Geophysics (NRG™). We're proud to offer this cutting-edge service exclusively in Canada.

The Xcite™ system, developed by a team of highly qualified engineers and geophysicists, utilizes the latest advancements in high-speed electronics and sophisticated aeronautical engineering. This groundbreaking technology provides an exceptional alternative to traditional airborne TDEM systems, perfectly catering to the needs of the minerals exploration and geoscience mapping community.

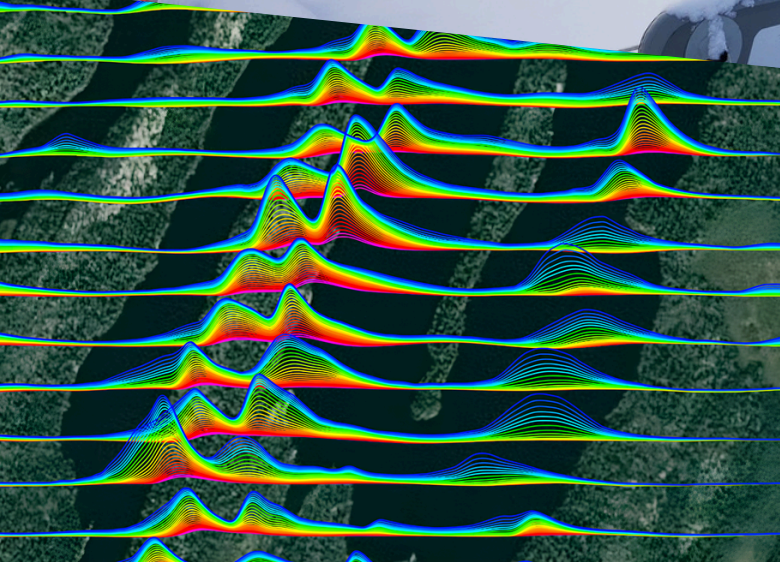


Experience the future of geophysical surveying with Xcite™—designed to help you discover boldly and efficiently. Choose **AXIOM GROUP** for innovation, precision, and the ultimate in geophysical exploration.

WHAT IS XCITE™ USED FOR?

- **Massive Sulphides**
- **Graphitic Conductors**
- **Faults and other structures**
- **Paleochannels**
- **Saltwater ingress**
- **Groundwater/Aquifers**



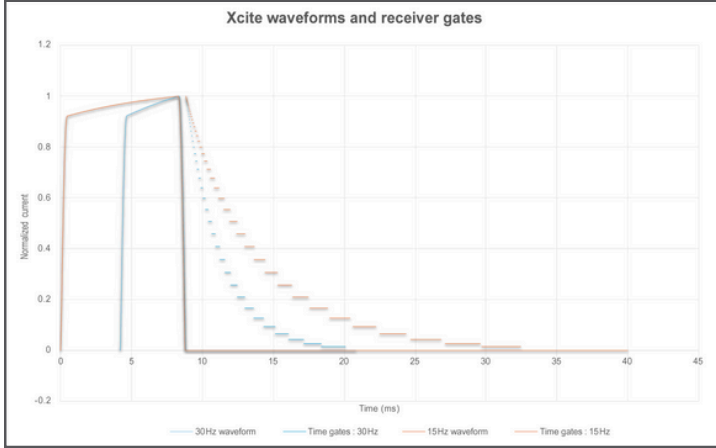


Transmitter	
Diameter	20m loop diameter
Number of turns	4 turns
Current	280 A
Dipole moment	300,000 NIA
Base frequency	25 Hz or 12.5 Hz field programmable
Waveform	Nominal square wave – typically 5.4 mS ontime

Receiver	
Diameter	0.6m (effective) (X), 1.0m (Z)
Orientation	X & Z axis
Configuration	Central loop
Sampling	Digitally at 624kbps
Recording	Digitally at 625 kbps
Time gates	Extracted from streamed data – Typically 24 gates
Time gate windows	0.04ms to >11ms
Measurements	dB/dT & integrated B-field

Magnetometer Counter	
Type	NRG RDAC II
Internal System Noise	<0.0001 nT
ADC Inputs	24
Magnetometer Inputs	4
Recording Rate	20 Hz (capable of >1kHz)

Magnetometer Sensor	
Type	Single Sensor Scintrex CS3
Measurement Range	15 000 – 105 000 nT
Gradient Tolerance	40 000 nT/m
Operating Temperature	-40 to +50 Degrees C
Recording Rate	20 Hz (capable of >1kHz)



Xcite™ Waveform Example

SYSTEM DESCRIPTION

General:

- Fully inflatable frame
- Light ~450Kg
- Packs into 3 small (<2m x 2m x 1m) boxes for easy shipping
- 2Hr setup time
- Tx and Rx suspended ~30m below helicopter
- 30m agl nominal terrain clearance

MKT-GNR-003 09052024

