

Terraquest Ltd. Established in 1984.

Our team has flown over 2,000 surveys in more than 21 countries using both fixed wing and helicopter platforms. Our seasoned, professional crews provide significant experience having carried out airborne magnetic, gamma spectrometry, gravity and electromagnetics on every continent. Our quality data sets have been utilized in the exploration for base and precious metals, kimberlites, hydrocarbons, uranium, rare earths and water. Our expertise is focused on the acquisition and processing of geoscientific data for the exploration sector including the following disciplines:

- Airborne geophysical surveys
- Data modeling
- Custom data enhancement

Our Clients Include:

Alberta Star Development Corp. | BRGM (France)
| Cameco Corporation | de Beers Exploration | Delta Uranium Inc. | Kodiak Exploration Ltd. | Lakeshore Gold Corp. | Ontario Ministry of Northern Dev & Mines | Natural Resources Canada | Newcastle Ventures | Newmont Mining Corp. | Noront Resources Ltd. | Olivut Investments | PT Bumi Inc | Reunion Gold Corporation | Shoreham Resources Ltd. | SouthernEra Diamonds Inc. | Strathmore Minerals Corporation | TGS-NOPEC Geophysical Company ASA and hundreds more.



BETTER DATA • BETTER RESULTS

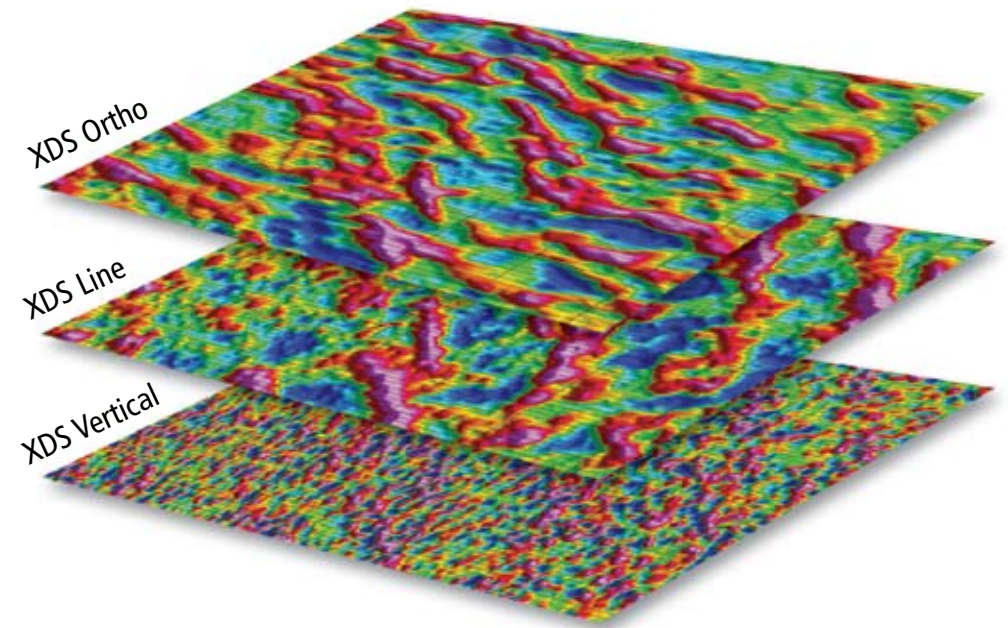
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The Structural Multi-View System

Terraquest's Structural Multi-View System is a proprietary airborne geophysical surveying system that combines magnetics, radiometrics and an advanced XDS VLF-EM technology to map detailed geological structure.

TERRAQUEST LTD.
AIRBORNE GEOPHYSICS

Unravelling Geological Complexities



XDS VLF-EM Technology

The cornerstone of the Structural Multi-View Airborne Geophysical Surveying System is Terraquest's advanced and proprietary XDS VLF-EM Structural Mapping tool. This technology has been developed to map structure and help Geologists to solve structural problems. XDS Compliments other EM systems which are designed to identify and delineate specific targets. The XDS VLF-EM technology maps fine grain, low conductivity and more disseminated structures, providing a more comprehensive database for Geologists trying to sort out geological complexities. Consequently the technology is suited to mapping structure related to any exploration commodity.

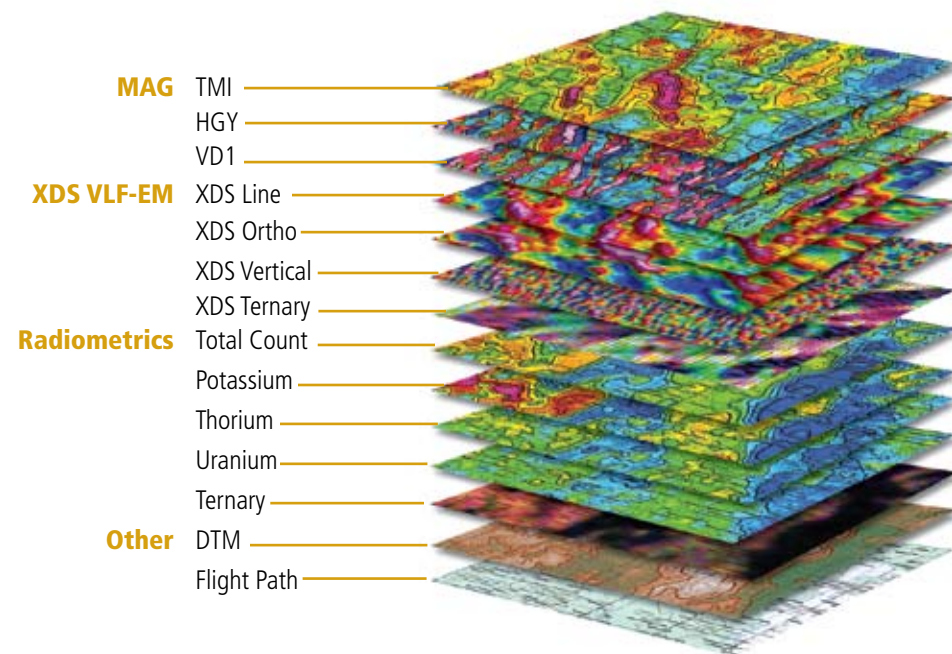
Data is gathered with three different coils on the x, y and z axes. Presenting the data on three separate maps produces much cleaner structural profiles compared to a single amalgamated data. XDS VLF-EM acquires data in broadband mode (typically 22-26 KHz) thus it is not sensitive to geological strike and the availability of a particular transmitter.

Structural Multi-View

AIRBORNE GEOPHYSICAL SURVEYING SYSTEM

Better Data Better Results

Our Structural Multi-View Airborne Geophysical Surveying System combines Magnetics, Radiometrics and our advanced, proprietary XDS VLF-EM technology in a low level helicopter platform to map detailed geological structure. The system is unique in that it is an all inclusive mapping tool housed in one lightweight, portable package. The system is designed to attach directly to the undercarriage of the helicopter via standard attachment points and operates from existing aircraft power. The radiometric crystal pack fits into the luggage compartment while the data acquisition system fits on a passenger seat in a portable case easily accessible to the operator. The potential field sensors are housed in the tip of the stinger itself, providing a 16' separation from the aircraft. The portable system is ideal for surveying of property sized projects in rugged terrain, in remote areas, typically at 30-50 meters terrain clearance.



The Structural Multi-View System is certified for use on a Bell 206 Jet Ranger and Eurocopter's ASTAR AS 350. The portable package can be quickly and easily shipped to any destination utilizing local helicopters and pilots.

Detailed Structural Maps

Terraquest's Structural Multi-View System can output highly detailed data sets necessary to produce maps that can outline very fine surface structures. Our Geophysicists take the necessary time to process data carefully and properly to produce clean and concise maps.

Geophysical Equipment

Each system is outfitted with single sensor Cesium Magnetometer, a single PEI Radiometric Crystal Pack and an XDS VLF-EM three coil system that utilizes multiple orientations of VLF electromagnetic waves/ signals produced by naval transmitters.

Why Structural Multi-View?

- Cost effective, detailed structural mapping tool
- Compliments other EM surveys such as VTEM, and Time Domain
- Low speed, low altitude survey applications
- Unique, exceptionally low level radiometrics
- Ideal for remote locations, and rugged, mountainous terrain
- Portable system, easily shipped, requiring little setup time
- Can utilize local helicopters and pilots in the destination country for reduced costs
- Confirms fault and magnetic mapping
- Confirms geological trends



CASE STUDY: Jr. Exploration Co. Mapping Structure for Gold Exploration

SITUATION: Terraquest's client was expanding their gold production on an existing property and determined that they needed more detailed structural information for drilling purposes.

SOLUTION: Terraquest's Structural Multi-View system mapped their property's geological structure in greater detail.

RESULTS: Were able to identify areas of mineralization and developed a basis for a cost effective drilling program.