FLET

The Lithium Era: fast-tracking Lithium mineral targets for the energy transition

The Lithium Challenge

Who is Core Lithium?

One of the key challenges Core Lithium faced in terms of mineral exploration is the fact that no reliable geophysical technique could directly detect and target lithium pegmatite rocks below the surface. ExoSphere solves this challenge with a fast, costeffective solution with minimal environmental impact to meet the current needs of the energy transition. Core Lithium is an Australian lithium producer and explorer, operating one of Australia's most capital-efficient lithium projects. The Finniss mine is located in the Northern Territory of Australia and will be providing high-quality spodumene concentrate for use in lithium batteries to power electric vehicles and renewable energy storage.

The Solution



"With ExoSphere we can make real time decisions very quickly, getting into positions that we can define drilling targets quicker. When you can accelerate exploration programs, what you are really doing is accelerating your discovery which is a game changer for exploration."

Andrew Bennett | Exploration Manager, Core Lithium



The ANT Solution

Fleet's mineral exploration solution, ExoSphere, utilises Real Time Ambient Noise Tomography (ANT) method to image Earth's subsurface. Drawing on faint background vibrations from natural and anthropogenic sources our technology is used to monitor and image the subsurface with a great degree of precision. The surveys are conducted in just a few days and once the data has been processed the result is a rich 3D survey image.

Successful results i

ExoSphere's survey data detected but also unknown ones in just 7 d No other viable geophysical met to directly detect pegmatites a proving the effectiveness of

ExoSphere successfully imaged th dyke with only a 5% velocity contras pegmatite and the surrounding sand just a small contrast is enough to in

Known pegmatite dyke

Tech Benefits



Low environmental footprint



Lower exploration



Speak to an Exploration Specialist sales@fleet.space | fleetspace.com

