

# MARKET ANNOUNCEMENT

## Geophysical Equipment Arrives as Lithium Energy Gears up for Exploration on Solaroz Project

### KEY HIGHLIGHTS

- Key geophysical testing equipment required for commencement of major exploration programme has now arrived in Argentina
- Will assist in validating the current Exploration Target at Solaroz and to advance the optimisation of drill hole locations
- Mobilisation to field planned upon receipt of EIA approval

Lithium Energy Limited (ASX:LEL) (**Lithium Energy**) is pleased to report that as part of the plan to expedite the commencement of the exploration programme on finalisation of the Solaroz Lithium Project (**Solaroz**) Environmental Impact Assessment (**EIA**) approval, it has ordered and now received into Argentina a range of geophysical testing equipment that will be mobilised into the field upon approval of the EIA.

Solaroz is located within South America's 'Lithium Triangle' in North-West Argentina in the Salar de Olaroz basin (**Olaroz Salar**) and is directly adjacent to or principally surrounded by two world class Lithium brine projects, being the current production assets of Orocobre Limited (ASX/TSX:ORE) (**Orocobre**) and the advanced lithium brine development project held by Lithium Americas Corporation (TSX/NYSE:LAC) (**Lithium Americas**) (refer Figure 1).

This geophysical testing equipment is currently being configured and tested for deployment.

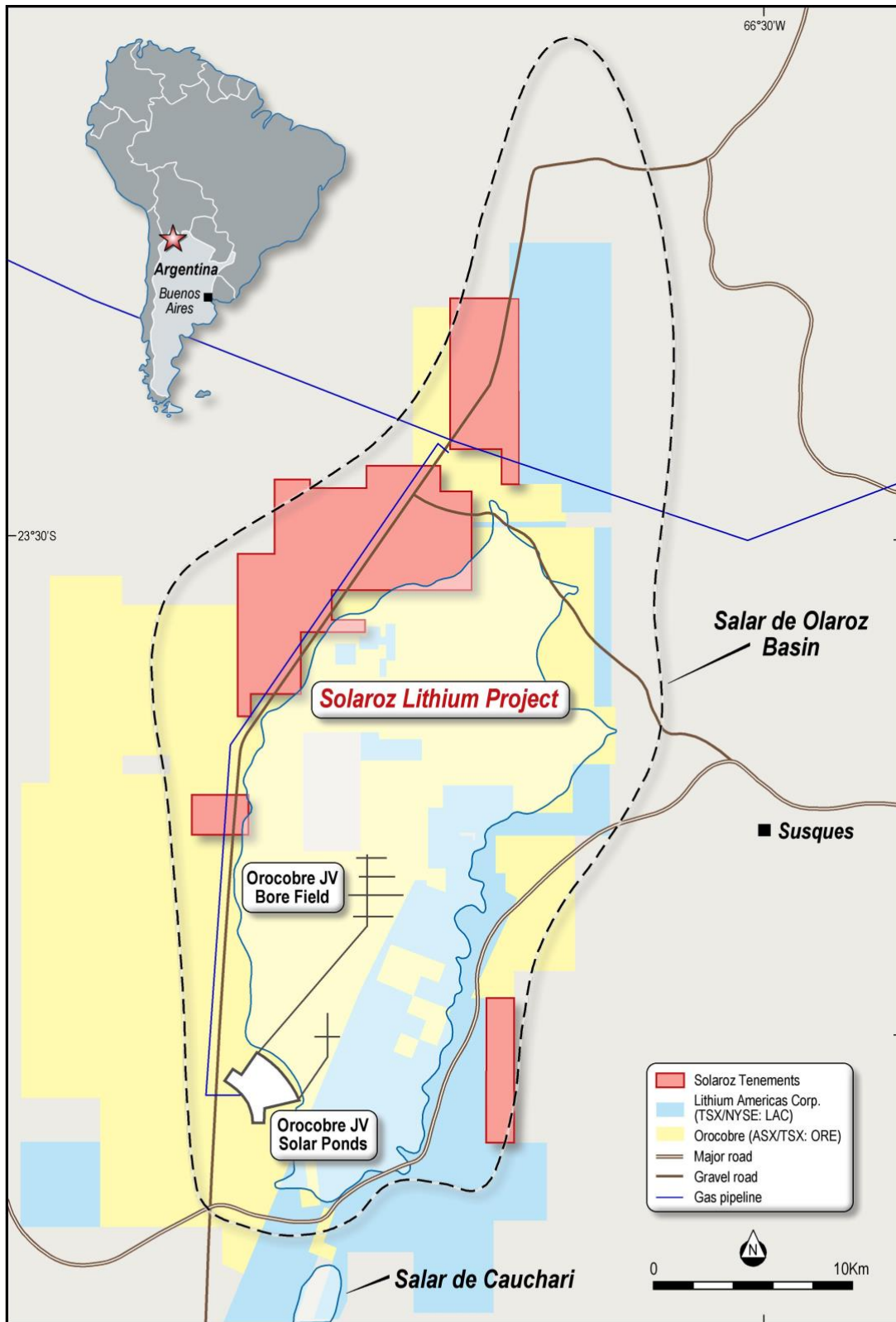
This equipment will form an important part of the geophysical testing programme at Solaroz to both support the previously published Exploration Target of **1.5 to 8.7 million tonnes (Mt) of contained Lithium Carbonate Equivalent (LCE)** (based on a range of lithium concentrations of between circa **500 mg/L Lithium (Li) and 700 mg/L Li**) and to optimise, through the creation of a 3D geological model, the location of drill holes that will seek to underpin the next phase of exploration at Solaroz.

Brine Area (km <sup>2</sup> )	SOLAROZ EXPLORATION TARGET					
	Thickness of Deep Sand Unit (m)	Lithium (mg/L)	Average Specific Yield (Sy) (%)	Brine Volume (million m <sup>3</sup> )	Contained Lithium (Mt)	Contained LCE (Mt)
<b>Upper Assumption Estimate</b>						
78	150	700	20	2334	1.6	8.70
<b>Lower Assumption Estimate</b>						
78	75	500	10	584	0.3	1.5

For further information, refer to LEL ASX Announcement dated 8 June 2021: *Substantial Lithium Exploration Target Identified at the Solaroz Project in Argentina*



The Exploration Target's potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource.



**Solaroz Lithium Project, Argentina  
Solaroz Tenements Location Plan**


[www.lithiumenergy.com.au](http://www.lithiumenergy.com.au)

Figure 1: Solaroz Project Tenement Locations

Lithium Energy now looks forward to the EIA approval process being concluded such that its exploration works in the Olaroz Salar can commence. As per Lithium Energy's announcement on 5 August 2021<sup>1</sup>, the EIA approvals process is advancing after two positive recent public consultation meetings held (in late July 2021) with agencies of the 'Environmental Management Unit' (UGAMP), underlying owners and first nations representatives.

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#### AUTHORISED FOR RELEASE - FOR FURTHER INFORMATION:

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#### ABOUT LITHIUM ENERGY LIMITED (ASX:LEL)

Lithium Energy Limited is an ASX listed battery minerals company which is developing its flagship Solaroz Lithium Brine Project in Argentina and the Burke Graphite Project in Queensland. The Solaroz Lithium Project (LEL:90%) comprises 12,000 hectares of highly prospective lithium mineral tenements located strategically within the Salar de Olaroz Basin in South America's "Lithium Triangle" in north-west Argentina. The Solaroz Lithium Project is directly adjacent to or principally surrounded by mineral tenements being developed into production by Orocobre Limited (ASX/TSX:ORE) and Lithium Americas Corporation (TSX/NYSE:LAC). The Burke Graphite Project (LEL:100%) contains a high grade graphite deposit and presents an opportunity to participate in the anticipated growth in demand for graphite and graphite related products. LEL was spun out of Strike Resources Limited (ASX:SRK) via a \$9 million IPO; Strike remains a major (43%) shareholder of the Company.

#### JORC CODE COMPETENT PERSON'S STATEMENT

The information in this document that relates to Exploration Targets and Exploration Results in relation to the Solaroz Lithium Project is extracted from the following ASX market announcements made by Lithium Energy dated:

- 8 June 2021 entitled "Substantial Lithium Exploration Target Identified at the Solaroz Project in Argentina"
- 26 May 2021 entitled "Geophysical Data Supports Highly Encouraging Exploration Potential for Solaroz"

The information in the original announcements is based on, and fairly represents, information and supporting documentation prepared and compiled by Mr Peter Smith (BSc (Geophysics) (Sydney) AIG ASEG). Mr Smith is a Member of the Australian Institute of Geoscientists (AIG) and a Director of the Company. Mr Smith has the requisite experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (the **JORC Code**). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements (referred to above). The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements (referred to above).

#### FORWARD LOOKING STATEMENTS

This document contains "forward-looking statements" and "forward-looking information", including statements and forecasts which include without limitation, expectations regarding future performance, costs, production levels or rates, mineral reserves and resources, the financial position of the Company, industry growth and other trend projections. Often, but not always, forward-looking information can be identified by the use of words such as "plans", "expects", "is expected", "is expecting", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes", or variations (including negative variations) of such words and phrases, or state that certain actions, events or results "may", "could", "would", "might", or "will" be taken, occur or be achieved. Such information is based on assumptions and judgements of management regarding future events and results. The purpose of forward-looking information is to provide the audience with information about management's expectations and plans. Readers are cautioned that forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company and/or its subsidiaries to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include, among others, changes in market conditions, future prices of minerals/commodities, the actual results of current production, development and/or exploration activities, changes in project parameters as plans continue to be refined, variations in grade or recovery rates, plant and/or equipment failure and the possibility of cost overruns. Forward-looking information and statements are based on the reasonable assumptions, estimates, analysis and opinions of management made in light of its experience and its perception of trends, current conditions and expected developments, as well as other factors that management believes to be relevant and reasonable in the circumstances at the date such statements are made, but which may prove to be incorrect. The Company believes that the assumptions and expectations reflected in such forward-looking statements and information are reasonable. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. The Company does not undertake to update any forward-looking information or statements, except in accordance with applicable securities laws.

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1 Refer LEL ASX Announcement dated 5 August 2021: Approval Process for Solaroz Exploration Nearing Completion