



22 September 2021

Investor Webinar - Lake Resources with Lilac Solutions

- **Lake Resources invites investors to join Lake's Managing Director, Steve Promnitz and Chairman Stu Crow, together with Lilac Solutions CEO David Snyder, at an investor webinar hosted by Red Cloud Securities Inc.**
- **Webinar: 9am Wednesday Sept 22 (Sydney); 7pm ET, 4pm PT, Tuesday, Sept 21**
- **Register via the 'Register Now' link on this website:**
<https://www.redcloudfs.com/rcwebinar-lke-2/>
- **Lake and Lilac will discuss the benefits of the partnership where Lilac earns in to the Kachi Lithium Brine Project based on performance based milestones and then Lilac will be expected to fund approximately US\$50 million, toward development and production.**

Clean lithium developer Lake Resources NL (ASX: LKE; OTC:LLKKF) invites investors to join Lake's Managing Director, Steve Promnitz and Chairman Stu Crow, together with David Snyder, CEO of Lilac Solutions Inc., at an investor webinar hosted by Red Cloud Securities Inc. to discuss the companies' clean lithium technology development.

Please register for the webinar via <https://www.redcloudfs.com/rcwebinar-lke-2/>

For investors who cannot attend the live event, a recording will be automatically sent to all who register via the link above, with a link also to be made available via Lake's website.

Lake Resources NL and Lilac Solutions, Inc. announced today that after extensive successful test-work, they have entered into a partnership for technology and funding to develop Lake's Kachi Lithium Brine Project (Kachi) in Argentina. Under the terms of the partnership earn-in, Lilac is able to achieve an equity stake in the Kachi project with certain corresponding project funding obligations, while providing its leading technology to advance the project (see ASX release 22 Sept 2021).

8. Equity Finance - A\$25m at end June 2021 with potential option conversion to deliver further ~\$20m and new Bonus options to deliver ~A\$25m in late Oct 2021 and potentially a further \$70m in June 2022.

LAKE RESOURCES NL

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LAKERESOURCES.COM.AU
ASX:LKE FRA:LKI OTC:LLKKF

**CLEANER LITHIUM
FOR AN ELECTRIC WORLD**

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Webinar: <https://www.redcloudfs.com/rcwebinar-lke-2/>

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Lake Resources - New Developments

LIVE WEBINAR

Lake Resources NL is a clean lithium developer utilising clean, direct extraction technology for the development of sustainable, high purity lithium from its flagship Kachi project, as well as three other lithium brine projects in Argentina. The projects are located in a prime location within the Lithium Triangle, where 40% of the world's lithium is produced at the lowest cost.

LAKE
RESOURCES

RED CLOUD

Steve Promnitz
Managing Director
Lake Resources Ltd.

David Talbot
Managing Director,
Head of Equity Research

Stu Crow
Chairman & Non-Executive Director
Lake Resources Ltd.

David Syndacker
CEO
Lilac Solutions Inc.

Tuesday September 21, 2021
7:00 pm Eastern Time / 4:00 pm Pacific Time

Wednesday September 22, 2021
9:00 am AEST Sydney, Australia

About Lake Resources NL (ASX:LKE OTC:LLKKF) –

Clean high purity lithium using efficient disruptive clean technology - in demand by EV makers and lithium-ion batteries

Lake Resources NL (ASX:LKE, OTC: LLKKF) is a clean lithium developer utilising direct extraction technology for production of sustainable, high purity lithium from its flagship Kachi Project in Catamarca Province within the Lithium Triangle in Argentina among other projects covering 220,000 ha.

This direct extraction method delivers a solution for two rising demands of electric vehicle batteries – high purity battery materials to avoid performance issues, and more sustainable, responsibly sourced materials.

1. **Clean-Tech:** Efficient, disruptive, cost-competitive technology using well-known water treatment re-engineered for lithium (not mining). Technology partner, Lilac Solutions Inc, supported by Bill Gates led Breakthrough Energy fund and MIT's The Engine fund.

2. **High Purity:** 99.97% purity lithium carbonate samples for a premium price. Demonstrated high quality in NMC622 lithium-ion batteries (refer ASX announcement 20 October 2020; 2 March 2021).

3. **Sustainable /ESG:** Far smaller environmental footprint than conventional methods, that returns virtually all water (brine) to its source with a low CO2 footprint.

4. **Prime Location, Large Projects:** Flagship Kachi project in prime location among low-cost producers with a large lease holding (70,000 ha) and expandable resource (4.4 Mt LCE) of which only 20% is used for 25 years production at 25,500tpa (JORC Resource: Indicated 1.0Mt, inferred 3.4Mt, refer ASX announcement 27 November 2018). Pre-feasibility study by tier 1 engineering firm shows large, long-life low-cost operation with US\$1.6 billion NPV pretax, and annual EBITDA of US\$260 million from 2024 (refer ASX announcement 17 March 2021; 28 April 2020). (No changes to the assumptions in the resource statement or the PFS have occurred since the announcement date.)

An innovative direct extraction technique, based on a well-used ion exchange water treatment method, has been tested for over 18 months in partnership with Lilac Solutions, with a pilot plant module in California operating on Kachi brines and has shown 80-90% recoveries. Battery quality lithium carbonate (99.97% purity) has been produced from Kachi brine samples with very low impurities (refer ASX announcement 20 October 2020). The first samples of high purity (99.97% purity) battery quality lithium carbonate were tested in a NMC622 battery by Novonix with excellent results (2 March 2021).

This method of producing high purity lithium can revolutionise and disrupt the battery materials supply industry as it's scalable, low cost, and delivers a consistent product quality.

Lake's other projects include the Olaroz and Cauchari brine projects, located adjacent to major world class brine projects in production or construction, including Orocobre's Olaroz lithium production and adjoins the impending production of Ganfeng Lithium/Lithium Americas' Cauchari project. Lake's Cauchari project has shown lithium brines over 506m interval with high grades averaging 493 mg/L lithium (117-460m) with up to 540 mg/L lithium. These results are similar to lithium brines in adjoining leases and infer an extension and continuity of these brines into Lake's leases (refer ASX announcements 12 June 2019, 23 March 2021).

For more information on Lake, please visit <http://www.lakeresources.com.au/home/>

About Lilac Solutions Inc

Lilac Solutions is a lithium extraction technology company based in Oakland, California. Lilac has developed a patented ion exchange technology that facilitates production of lithium from brine resources with high efficiency, minimal cost and ultra-low environmental footprint. Lilac's mission is to scale global lithium production to support the electric vehicle transition and renewable energy storage transition.

For more information, please visit <https://www.lilacsolutions.com/>