

## European Solar and Energy Storage Solutions

# Lilac solutions Tokelau



## Overview

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What is Lilac Solutions?

Dave Snyder, CEO of Lilac Solutions, delivers modern lithium extraction technology to scale lithium supply for the electric era. Lilac's breakthrough ion exchange technology enables customers to extract more lithium faster from a wide variety of brine resources globally with high efficiency, minimal cost, and an ultralow environmental footprint.

What is Lilac technology?

Lilac has developed the first modern lithium extraction technology which is capable of meeting high technical and environmental standards, at low cost. Lilac's technology is based on IX, which is commonly used in metals separation and water treatment. Every IX technology is based on an ion exchange media (IXM) that is selective for certain metals.

Who funded Lilac Solutions?

Lilac Solutions' Series C funding round included investors such as Gates' Breakthrough Energy Ventures. Bill Gates. Photo: Getty Images Oakland, California-based Lilac Solutions has raised \$145 million in funding from investors including Bill Gates' Breakthrough Energy Ventures to pull lithium out of the Great Salt Lake in Utah.

What happened to Lilac Solutions?

OAKLAND, Calif., February 12, 2024 — Lilac Solutions, a leader in lithium extraction technology, today announced the close of its Series C with \$145 million of proceeds. This brings Lilac's total capital raised to \$315 million.

How does Lilac work?

Startups like Lilac aim to fix that. Lilac harvests lithium from the Great Salt Lake by pumping water from the lake, then stripping away the mineral using ceramic beads that bind to its atoms before returning the water to the lake,

according to the Wall Street Journal.

How much lithium can Lilac extract from the Great Salt Lake?

The company aspires to launch a field pilot later in 2024 with the aim of scaling up commercial operations to extract 3,000 tons of lithium from the lake annually by 2026. Snyder wrote that the Great Salt Lake can support extraction of 20,000 tons of lithium annually, which is Lilac's ultimate goal.

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### Why Direct Lithium Extraction Needs a New Approach: The Limits ...

About Lilac Solutions Lilac Solutions delivers modern lithium extraction technology to scale lithium supply for the electric era. Lilac's breakthrough ion exchange technology enables customers to extract more lithium faster from a wide variety of brine resources globally with high efficiency, minimal cost, and an ultralow environmental footprint.

### Lilac Solutions Expands Leadership Team

OAKLAND, Calif., October 12, 2022 -- Lilac Solutions, a lithium extraction technology company, announced today the completion of a significant expansion of its leadership ranks, including the addition of former senior executives from FLSmidth, Fluor, Albemarle, Solvay and Celanese. Lilac has developed a groundbreaking ion exchange technology to increase production of lithium ...



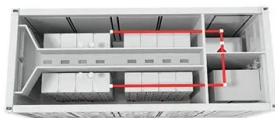
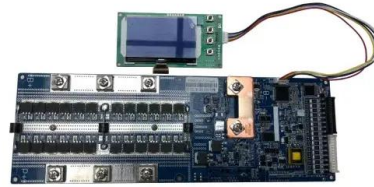
### Lithium technology company Lilac Solutions raises ...

Based in California, Lilac Solutions has developed a new ion exchange technology that will facilitate the production of lithium from saltwater brines. The company has demonstrated the technology on a variety of brines.

## Lake Resources partners with Lilac Solutions for Technology

...

Under the agreement, Lilac Solutions will contribute technology, engineering teams, and an on-site demonstration plant, earning in to a maximum 25 percent stake in Lake's Kachi project based on performance; Lilac will be expected to fund its pro rata share of future development costs, currently estimated to be approximately US\$50 million - aligning ...

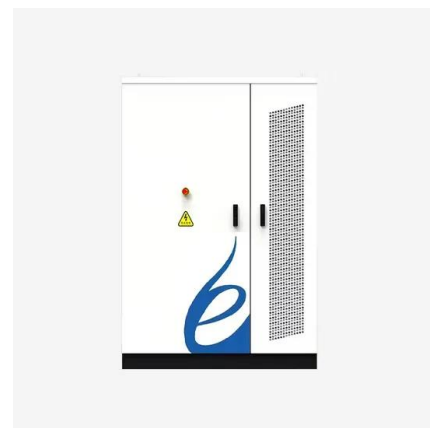


## Lilac Solutions Announces \$145 Million Series C to Scale Lithium ...

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## Lilac Extraction Process Shows Potential for High

Lilac Solutions delivers modern lithium extraction technology to scale lithium supply for the electric era. Lilac's breakthrough ion exchange technology enables customers to extract more lithium faster from a wide variety of brine resources globally with high efficiency, minimal cost, and an ultralow environmental footprint.



## Lithium technology company



## Lilac Solutions raises \$150m

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## Lilac Solutions

Lilac Solutions General Information Description. Developer of lithium extraction technology designed to absorb lithium from brine resources. The company's technology is based on the ion exchange theory that facilitates lithium production from brine resources with minimal cost and low environmental footprint, enabling lithium producers to accelerate project development, boost ...



## Lithium technology company Lilac Solutions raises \$150m

Lilac Solutions CEO Dave Snyder said: "The lithium industry must innovate to meet the needs of battery and automotive companies, otherwise the transition to electric vehicles will be delayed. "We're delighted to add strategic partners who deeply understand each facet of lithium supply and support our mission of ramping production."

## At the Great Salt Lake, Lilac will capture lithium using ...

A startup called Lilac Solutions is taking a different approach: It pumps brine over reusable ceramic beads that are designed to capture lithium. Then the brine can be sent back

underground or



## Lilac Solutions Announces \$145M for Lithium Mining

Lilac Solutions has announced a \$145 million Series C funding round, bringing their total capital to \$315 million. This could mark a significant advancement in the U.S. lithium supply chain. The startup's ion-exchange technology aims to revolutionize lithium production from Great Salt Lake, Utah by both reducing environmental impact and

## Lilac Solutions Advances in Bolivian Lithium Extraction ...

Lilac Solutions is pleased to have been selected by the Bolivian government to move forward in their DLE New Technology Piloting process based on Lilac's strong piloting results with brine samples from Bolivia. The Lilac team has appreciated the opportunity to participate in Bolivia's rigorous technical diligence process. We are excited by



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## Lilac Solutions Announces \$145 Million Series C to Scale Lithium ...

OAKLAND, Calif., February 12, 2024 -- Lilac Solutions, a leader in lithium extraction technology, today announced the close of its Series C with \$145 million of proceeds. This brings Lilac's total capital raised to \$315 million. The financing was led by Mercuria, Lowercarbon Capital, and Breakthrough Energy Ventures, with participation from



## With \$145M in Fresh Capital, We're Building the

Lilac IX has achieved a massive step change in technical and environmental performance, unlocking scalable lithium production from the Great Salt Lake. We have engaged local stakeholders and regulators early and often to ensure that our resource development plans meet the State of Utah's vision for environmentally responsible lithium



## El proceso de extracción de Lilac tiene potencial para ...

La empresa de exploración de litio y desarrollo

de proyectos enfocada en Argentina, Lake Resources NL, anunció que sus planes de tener una mina de producción de litio rápida y a un bajo costo con recuperaciones de litio de calidad se han potenciado a partir de los resultados del Estudio de Fase 1 de ingeniería realizado por la empresa californiana Lilac ...



### Lilac Solutions' Series C funding round included investors such as

Oakland, California-based Lilac Solutions has raised \$145 million in funding from investors including Bill Gates' Breakthrough Energy Ventures to pull lithium out of the Great Salt Lake in Utah.

### Lilac Solutions:????????????\_Thermal

Lilac ?????????????????,??  
???,???????????? Lilac ?????????????????( ControlledThermal Resources )?????????????????



### Startup Lilac Solutions wants to mine Great Salt Lake's lithium in a

Waterleaf Resources, a subsidiary of California-based Lilac Solutions, wants to siphon an astounding 225,000 acre-feet from Utah's Great Salt Lake, asserting it will pump all the water back



## Lilac Solutions

Lilac has developed and patented a new high performance ion exchange (IX) technology to extract lithium from brines. Lilac's core innovation is in materials science. It has designed ceramic IX beads with high durability, which, for the first time, unlocks all the benefits of IX technology for lithium production.



## At the Great Salt Lake, Lilac will capture lithium using ceramic beads

A startup called Lilac Solutions is taking a different approach: It pumps brine over reusable ceramic beads that are designed to capture lithium. Then the brine can be sent back underground or

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