

# Energy For The Future



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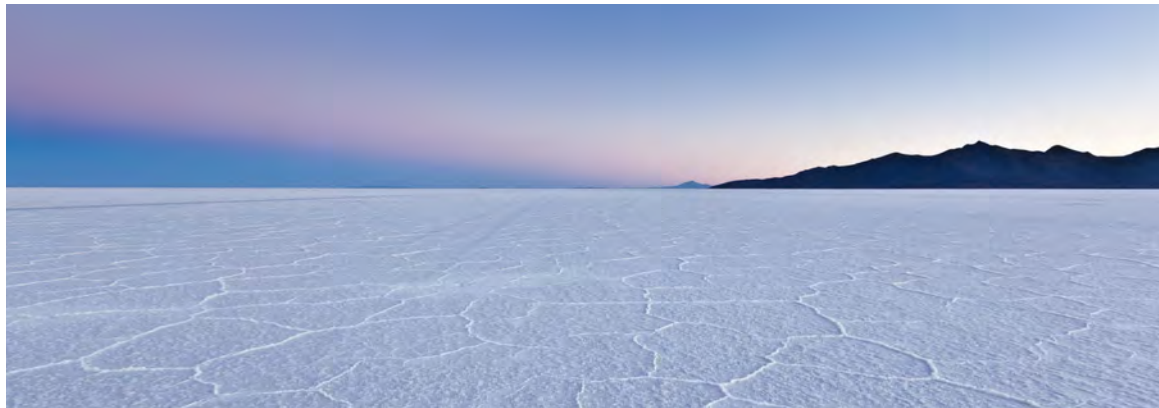
## About SolarBio Energy

SolarBio Energy started with a bold mission: to foster sustainable development and to create a better and cleaner earth for future generations by bringing energy to millions of people worldwide.

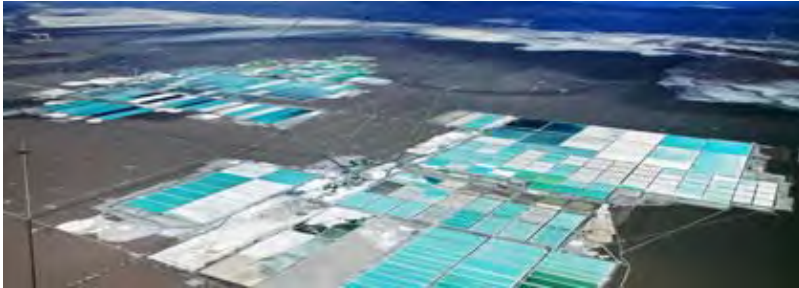
In recent years, we have grown into one of the world's largest solar based and chemical energy solutions providers.

We provide essential materials needed in the process of clean energy to many of the biggest solar companies in the world.

We acquire and produce materials such as; Silicon for the solar cells, Chemicals required to make the PV Glass, Lithium for the batteries and Gases required in the production process. Lithium being our main mineral and product that we deal in.



## What does SolarBio Energy do?



### Mining

With over 70% of the world's lithium resources, Chile has the world's largest known lithium reserves estimated at 14 million tons, which is almost 15% more than anywhere else.

### Production

Most lithium is commercially produced from either the extraction of lithium-containing salts from underground brine reservoirs or the mining of lithium-containing rock.

### Storage

Most storage systems currently in operation around the world use lithium batteries. Flow batteries are one of the best solutions in development for the future of storage.

## We are committed to sustainability

We aim to produce high-quality, low-cost lithium products to fuel a global, low-carbon economy. As we build and operate lithium mining and chemical processing facilities, we will adhere to the highest standards of sustainability monitoring, compliance and reporting.

Moving towards the next phases of project development in Chile, we recognize that the sustainability topics outlined in this report have the potential to shift in nature, scope and scale and we commit to continuing our efforts to embed sustainability into the way that we do business.

We are driven to embed our commitment to environmental and sustainability practices into our operations across both of our projects. This includes establishing governance structures at a corporate level that will enable us to manage our impacts in line with the expectations of our stakeholders.

We aim to instill a culture of accountability and transparency at the corporate level that will set the expectations for our projects as they progress through feasibility, permitting and construction into production .



## Our Process & Products

### Silica Mining & Silicon Production

Also called silica sand or quartz sand, silica is silicon dioxide ( $\text{SiO}_2$ ). Silicon compounds are the most significant component of the Earth's crust. Since sand is plentiful, easy to mine and relatively easy to process, it is the primary core source of silicon

### Lithium Production

When salt lake or solar brines are used to recover lithium, solar evaporation is commonly used to concentrate lithium and precipitate salts of major elements such as K, Na, Mg, Ca, etc.

### Lithium & Raw Material Mining

The process begins by drilling down through the crust and then pumping the brine up to the surface into evaporation pools, where it is left for months at a time. This creates a salty mud comprised of a mixture of manganese, potassium, borax and lithium salts, which are then moved to another open-air evaporation pool.

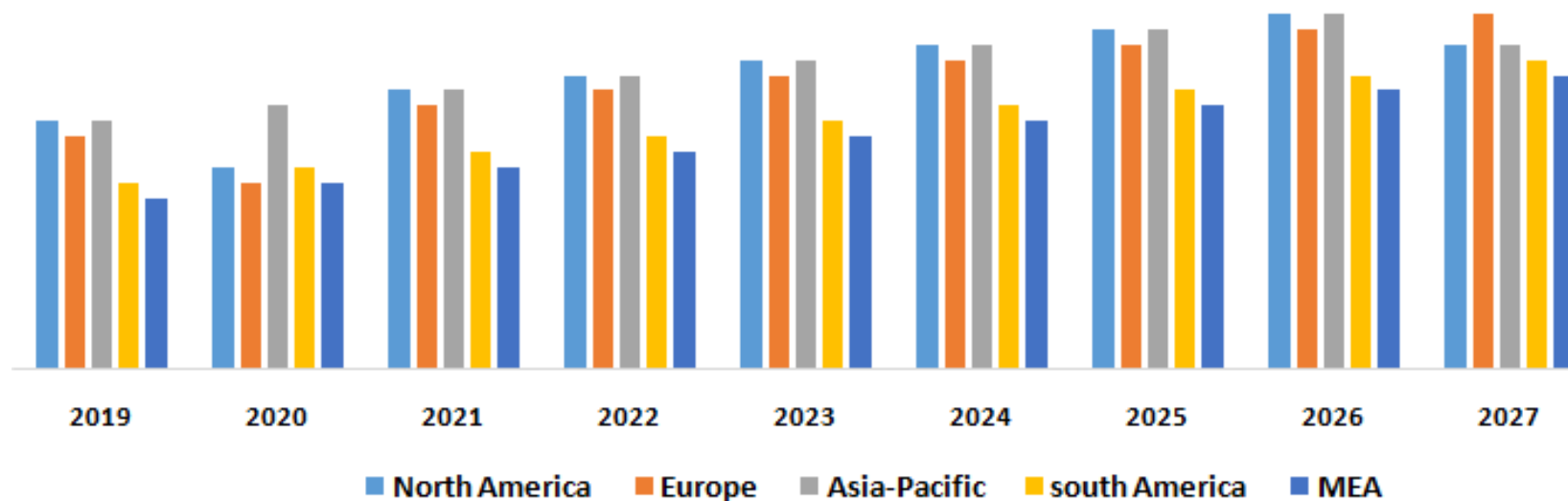
### Lithium Storage

The world of lithium batteries features a diverse group of technologies that all store energy by using lithium ions, particles with a free positive charge that can easily react with other elements.

## The Global Lithium Market

The global lithium market was valued at more than 400 LCE kiloton in 2021. The market is estimated to increase at a CAGR greater than 19% during the forecast period (2022 to 2027).

For the foreseeable future, lithium-ion will be the leading technology in the electric vehicle (EV) industry. With the surging fuel prices across the world and increasing pollution levels in the environment, many countries across the globe have started investing in lithium-ion technology which is used as a substitute for conventional fuel vehicles in the market. With lesser manufacturing costs and high-performance delivery, lithium batteries are considered to be the best choice in modern electric vehicles. With growing applications of lithium batteries in aerospace and military operations, the market is considered to grow in the forecasted period.



## Why Invest?



Leading position in Lithium production and storage global markets



Global presence with sales and offices in over 15 countries worldwide.



Access to the world's best brine deposits in Atacama Salt Flats, Chile.



Clear Strategy and Strong Commitment to providing a safe and wealthy future



Robust Growth and Profitability with our dedicated global partners.



Years of investment experience with our advisors Core Asset Wealth Management.

### Individual Investor

Fully managed. Individual retail investors can still become part of our team. We are partnered with Core Asset Wealth Management who handle individual investors grouped together.

### Corporate Investor

For corporate investing please get in touch with one of our experts by email with your proposition. Send your company details and contact information to [investors@solarbioenergy.com](mailto:investors@solarbioenergy.com)





**For more information on**



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