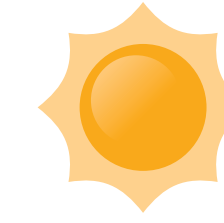
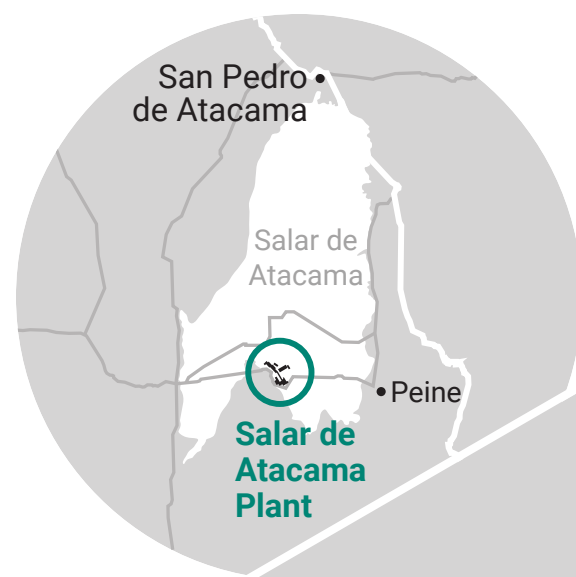


SUSTAINABLE LITHIUM FOR THE WORLD

Albemarle is one of the world's leading lithium producers and strategic allies of Chile in the development of a high value-added industry and specialists in the delivery of chemical solutions to a wide range of customers.



Solar energy

Solar energy accounts for **78% of Albemarle's total energy use**.

Solar energy is used to naturally concentrate the brine, and we use virtually no fresh water in the lithium production process.

The brine is **10 times saltier** than seawater.

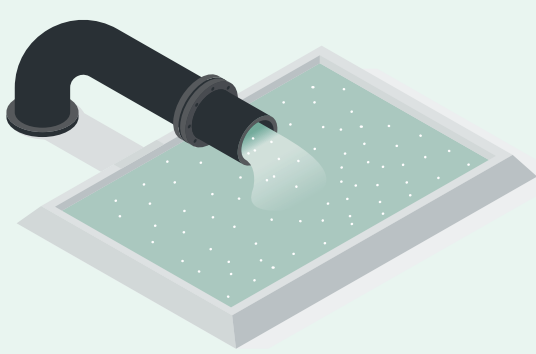
We have a monitoring network of hydrological, hydrogeological, physicochemical and meteorological parameters with more than **150 points** that analyze the brine extraction flow in real time, which is reported to the authorities.

40% of the workers at the Salar Plant belong to indigenous communities.

Production Process: Salar de Atacama Plant

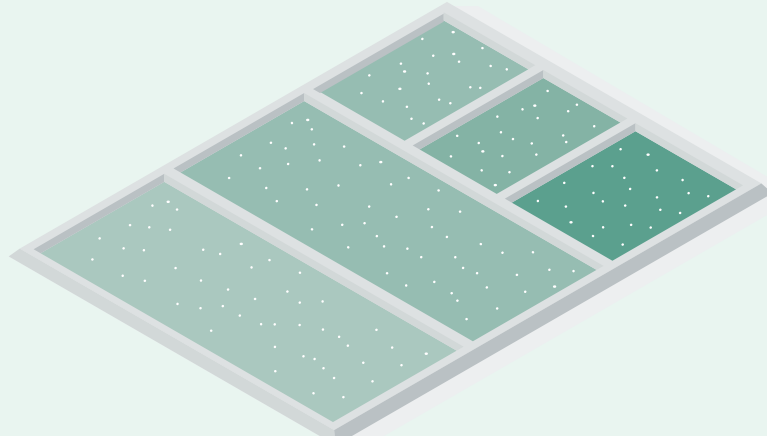
1

Extraction of natural brine from the Salar de Atacama with a concentration of **0.2% lithium**.



2

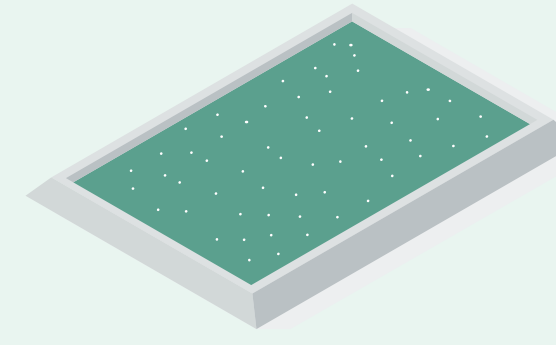
The brine is distributed in evaporation ponds to concentrate the lithium.



18 months

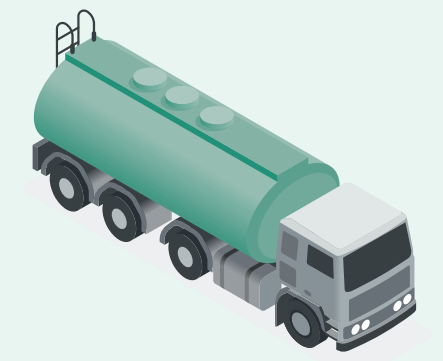
3

The brine is evaporated until it reaches a **concentration of approximately 6% of lithium**.



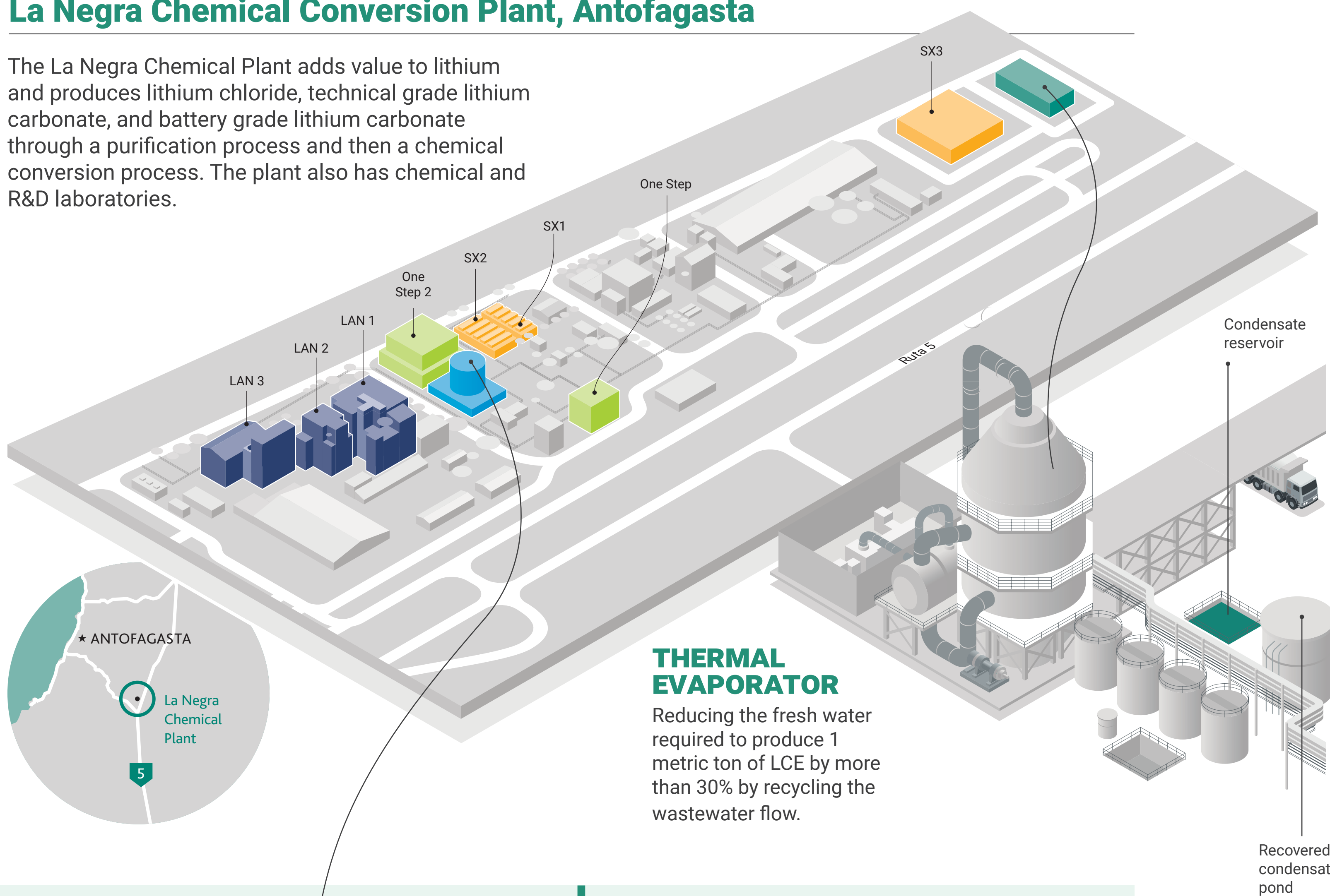
4

The brine travels to La Negra plant to be transformed into lithium carbonate and lithium chloride or derivatives.



La Negra Chemical Conversion Plant, Antofagasta

The La Negra Chemical Plant adds value to lithium and produces lithium chloride, technical grade lithium carbonate, and battery grade lithium carbonate through a purification process and then a chemical conversion process. The plant also has chemical and R&D laboratories.



THERMAL EVAPORATOR

Reducing the fresh water required to produce 1 metric ton of LCE by more than 30% by recycling the wastewater flow.

Recovered condensate pond



SX
Removing boron from the concentrated brine.



BORON REMOVAL
Removing boron from the waste water from SX1, 2 and 3 processes, to recycle it to the process.



ONE STEP PLANT (one step)
Se remove el magnesio y calcio de la salmuera refinada, además de diluir esta última.

TWO STEP PLANT (two step)
Removing calcium and magnesium from the refined brine, in addition to diluting the brine.



CRYSTALLIZATION
Obtaining lithium carbonate from the purified brine.



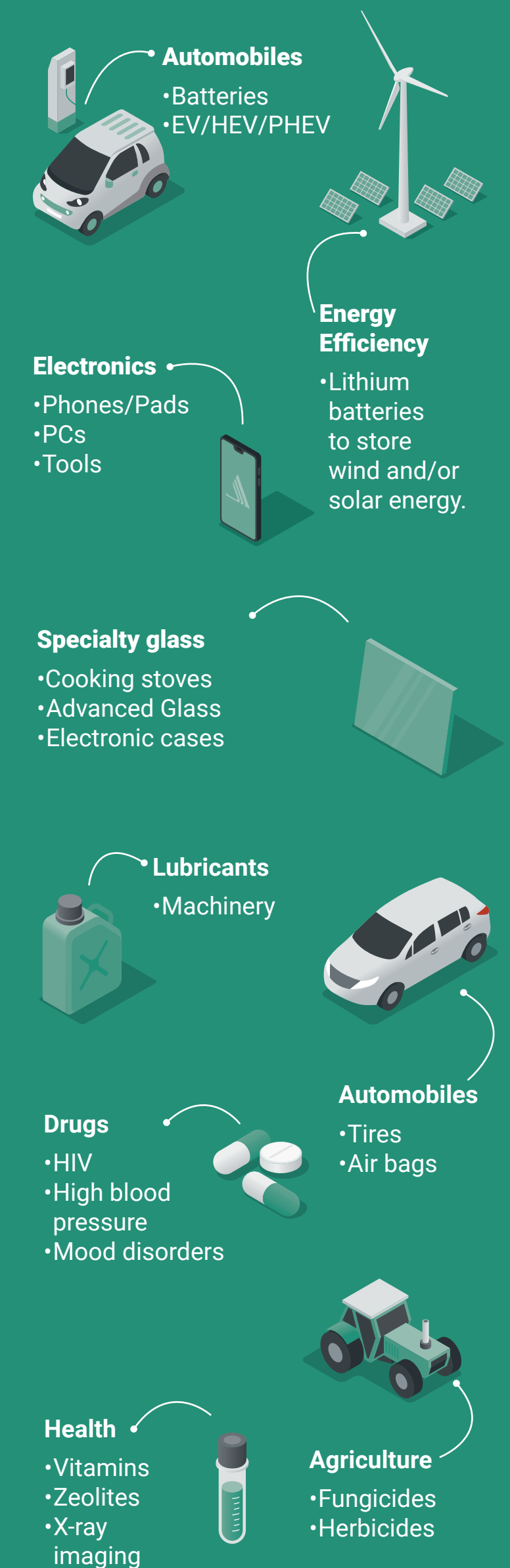
THERMAL EVAPORATION
Condensate generation.

PACKAGING AND DISTRIBUTION

PLANTA ONE STEP 2 (one step 2)
Removing magnesium and calcium from the refined brine, in addition to diluting the brine.

Lithium in your life

Did you know that lithium is also in space satellites? There is a lot of lithium in our lives, from electric vehicles to medicines and technology such as cell phones.



We invite you to learn more about lithium at www.albemarlelito.cl