

PDEOZE PowerContainer

Huawei Chile Lithium Energy Storage Project



Overview

In collaboration with the Chilean group oEnergy, it inaugurated a Small Distributed Generation Means (Pequeños Medios de Generación Distribuida, PMGD) photovoltaic plant with lithium battery storage in the municipality of San Javier (Maule Region). Why is lithium a strategic material for Chile?

In addition, there are two fundamental reasons to consider lithium as a strategic material for Chile. The first is that lithium, in addition to its traditional uses from the last century, has become an essential energy material since the 21st century.

Will Chile be able to develop energy storage projects in 2024?

In 2022, Chile passed an energy storage and electromobility bill, which made stand-alone storage projects profitable, but the market is still expecting new rules on capacity payment for storage projects, which are to be approved in 2024. Chile has also put in place an auction procedure to award public land for the development of BESS projects.

How many energy storage projects are in Chile?

According to a December 2023 publication on the InvestChile website, the country had 23 approved energy storage projects with a total of 3,000 MW of capacity. Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO₂.

What happened to the lithium industry in Chile?

Thus, the state, through Corfo, withdrew its participation in these companies, retaining only the lease agreement for its mining properties. Currently, the primary players in Chile's lithium industry are SQM, accounting for approximately 65% of production, and Albemarle, holding 35%.

Which Chilean centers are focusing on developing lithium technologies?

Another Chilean center focused on developing lithium technologies is the Advanced Mining Technology Center (AMTC), located at the University of Chile. Research has been focused on new sustainable technologies for lithium brine processing and direct LiOH production.

Are battery energy storage systems a viable alternative for Chilean power producers?

With transmission lines at overcapacity and permitting delays slowing the development of new grid infrastructure, battery energy storage systems (BESS) have surged as a profitable alternative for Chilean power producers.

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