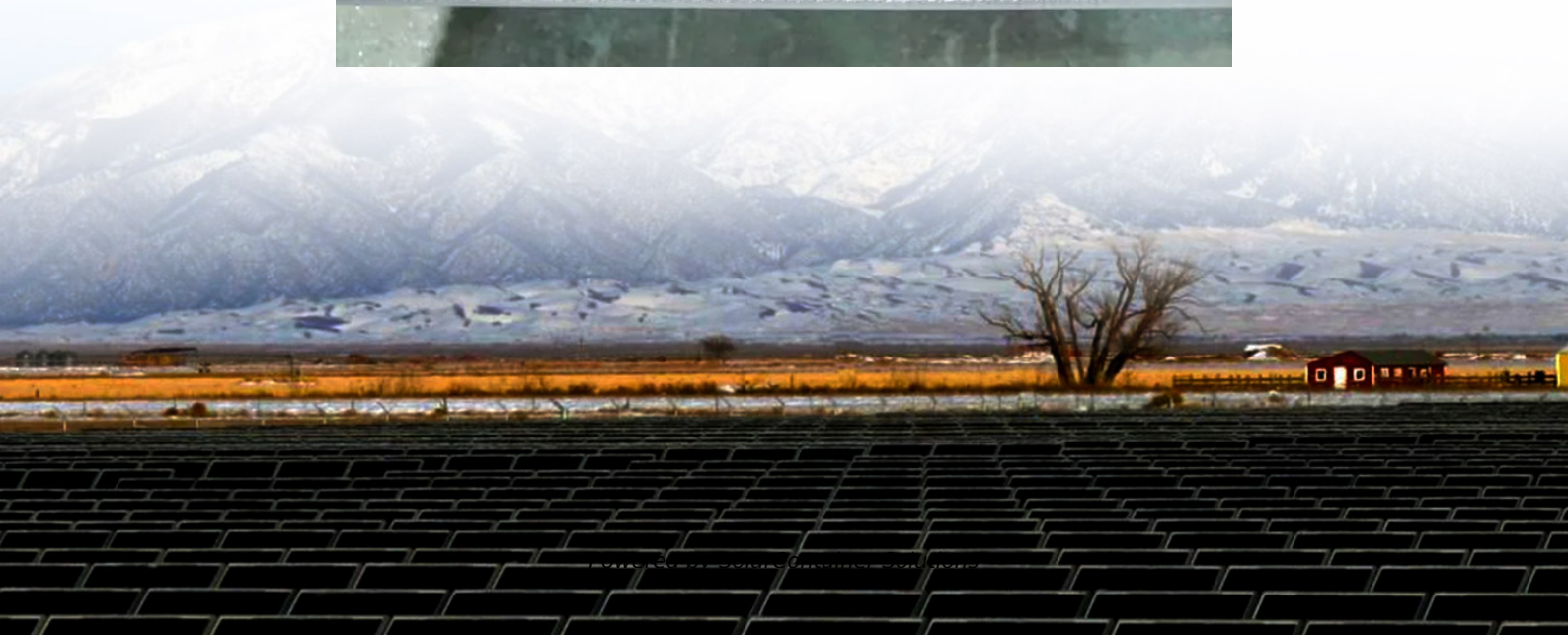


Chilean container energy storage





Overview

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. 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?

Currently, 36 of the 129 large-scale projects Latin America projects with an energy storage component under development are in Chile, including 32 out of 71 of the region's early works projects. The storage technologies either in use or being considered include:

Why is energy storage important in Chile?

Image: Greenergy Grid constraints have prevented Chile from maximising the potential of its world-class solar resources. Energy storage has, therefore, become a necessity to ensure the financial viability of PV projects, writes Jonathan Tourino Jacobo.

Where are Chile's battery energy storage facilities located?

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the planning stage. The greatest installed capacity is found in the northern regions of Antofagasta and Tarapacá, the country's solar powerhouses.

Why is Chile pursuing energy storage in Antofagasta?



Chilean president Gabriel Boric (centre) at the inauguration of an energy storage plant in the northern region of Antofagasta in April 2024. Chile has strong conditions for wind and solar energy, and is pursuing storage to help overcome intermittent supply (Image: Ximena Navarro / Dirección de Prensa, Presidencia de la República de Chile).

Should energy storage be a luxury asset in Chile?

Having energy storage in Chile is no longer a luxury asset but has become an “absolute necessity”, explains Alejandro McDonough, business development manager of Americas area sales at Wärtsilä Energy Storage and Optimisation (Wärtsilä ES&O).



Chilean container energy storage



Energy Storage Systems

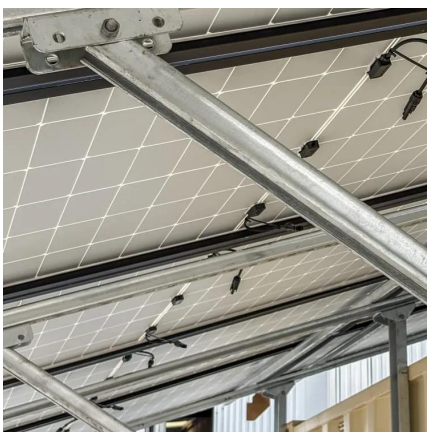
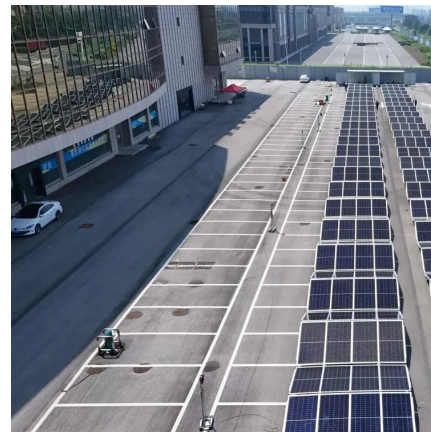
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The technological diversity of energy storage projects in Chile is remarkable. From battery storage systems to innovative projects with gases such as CO₂, ...

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Chile has the potential to run exclusively on renewable generation, with an estimated energy mix of 46% solar, 31% wind, 12% hydroelectric, and 8% flexible natural gas ...

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Chile's highly ambitious energy storage strategy, coupled with its significant supplies of lithium -



an important component of batteries used in energy storage systems - ...

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Innergex announces the commissioning of its second largest energy

"We are very proud of our growing energy storage portfolio in Chile because it will contribute significantly to meeting the growing demand for 24/7 renewable energy production,"

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Chile Already Halfway to 2 GW Energy Storage Target

By the end of March 2025, the country had 954 MW of operational energy storage capacity, representing 48% of its national target of 2 GW by 2030. This progress highlights ...

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Chile: BESS as an answer to solar curtailment, grid constraints

The current wave of excitement around Chile's BESS market started in October 2022, when the Chilean government passed legislation that incentivised the deployment of ...

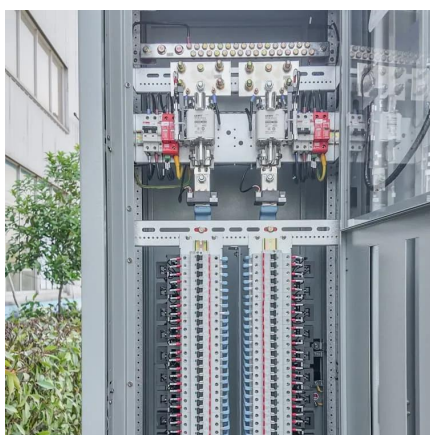
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Trina Storage Ships 1.2 GWh BESS to Chile in Largest Overseas

Trina Storage has shipped the first 1.2 GWh batch of its self-developed Elementa 2 Battery Energy Storage System (BESS) to Chile, marking the company's largest overseas ...

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[Saudi Arabia: 2GWh BESS project 'marks](#)

A 2GWh battery energy storage system (BESS) project has gone into operation in Saudi Arabia, according to the EPC firm which delivered it.

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ACKNOWLEDGMENTS This report has been driven by the Enel Group in Chile and prepared by energiE in collaboration with MRC, as an analytical and participative consideration on the ...

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Colin Parkin, President of e-STORAGE, stated: "We are pleased to extend our energy storage expertise through the delivery of our first major ...

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Chile makes progress on energy storage with 20+ approved projects

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Chile's highly ambitious energy storage strategy, coupled with its significant supplies of lithium - an important component of batteries used in ...

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Chile

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[Chile moves on storage to 'decarbonize the night'](#)

Chile has emerged as a world leader in hybrid systems and standalone energy storage since implementing its Renewable Energy Storage and Electromobility Act in 2022. ...

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[Energy storage is a challenge and an opportunity for Chile](#)

Chile's first battery energy storage projects were commissioned in 2009, and all but two of its 16 administrative regions have facilities in operation, under construction or in the ...

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BYD to supply 1.1 GWh of batteries for 'world's largest' ...

Grenergy Renovables, which is developing its flagship BESS project 'Oasis de Atacama' in Chile, has signed recently a supply agreement ...

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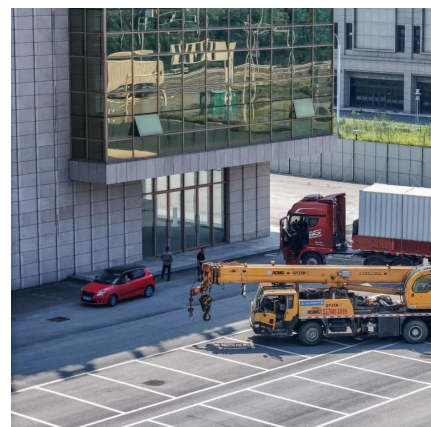
The project is Atlas Renewable Energy's first foray into battery storage technology, which the company sees as essential for increasing the share of renewable energy sources in ...

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Grenergy signs its largest battery purchase agreement with BYD Energy

Grenergy has signed a new agreement with BYD Energy Storage, a global energy solutions provider, for the supply of 3.5 GWh in energy storage systems to be installed in the ...

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Chile approves 360 MWh battery system for co-located project

The facility will combine 41 MW of solar PV with a 360 MWh battery energy storage system (BESS) and represents a planned investment of USD 40 million. The plant is ...

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