

# **Chile s energy storage project is underway**





## Overview

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In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations. The facility is located in the Antofagasta region and has a storage capacity of 638 MWh, with 139 MW of installed capacity. 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 can Chile keep up with the changing energy demand landscape?

Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO<sub>2</sub>. In March 2024, BESS Coya, the largest battery-based energy storage system in Latin America, started operations.

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:

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.

Will Chile's storage capacity double in 2032?



The energy ministry spokesperson told Dialogue Earth that the country's environmental assessment body is currently assessing the viability of 300 more storage projects, with a total capacity of 16 GW. According to some projections, between 2026 and 2032, Chile's total storage capacity could double to 4 GW.

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)



## Chile's energy storage project is underway

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### Chile accelerates battery storage with 5 GW planned by 2030

Chile plans to install five gigawatts of batteries by 2030 and activate a new transmission line, to reduce grid congestion and stabilise the electricity market.

### Zelestra secures \$282m for Chile's 1 GWh Aurora project

The company recently applied for an environmental permit for its \$360 million, 248.7 MWp Monterrico Solar site, which would include a 200 MW/1.2 GWh energy storage system, ...



### Chile Focuses on Solar and Storage as Generation ...

Chile is rapidly moving to build more power generation capacity, with much of that effort focused on renewable energy resources and battery energy ...

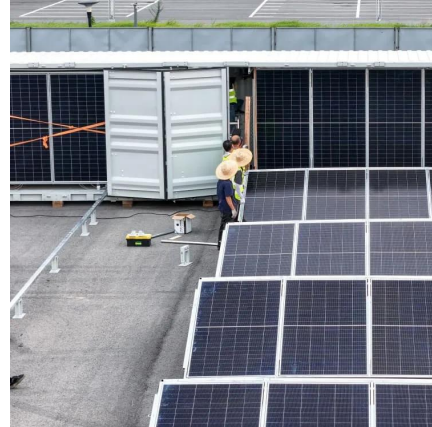
### [Chile makes progress on energy storage with 20](#)

The technological diversity of energy storage projects in Chile is remarkable. From battery





storage systems to innovative projects with gases such as CO<sub>2</sub>, ...



### Chile makes progress on energy storage with 20

With 23 energy storage projects already approved, totaling an impressive 3,000 MW of capacity, Chile is at the forefront of innovation and efficiency in Latin ...

### 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. ...



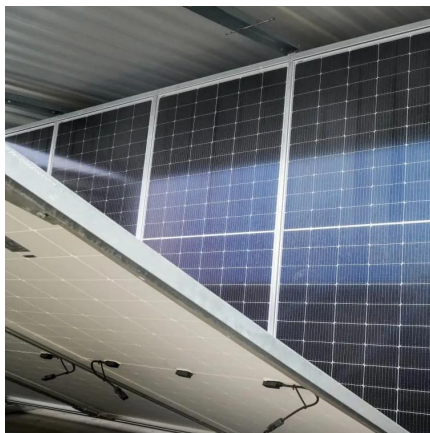
### **Chile already halfway to 2 GW energy storage target**

The energy storage boom in Chile is highlighted in the latest "Report on Projects Under Construction and Investment in the Energy Sector," ...



## Plans for 1 GWh of energy storage in Chile

Image: Eiffage Energia The energy storage element of the Huatacondo project is being financed under Japan's Joint Crediting Mechanism (JCM), which backs emissions ...



## **Chile Energy Storage**

Chile will need new renewable energy storage systems to replace its current backup capacity of coal-fired plants and natural gas-powered combined cycle turbines and ...

## **Zelestra Raises \$282 Million In Green Financing to Power 1 GWh ...**

Zelestra, a global renewable energy company known for its multi-technology approach and customer-centric solutions, has reached Financial Close for its Aurora project in ...



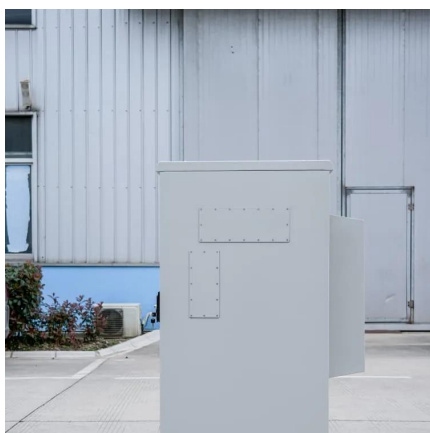
## **SMA Powers 228 MW Battery Storage Project in Chile**

SMA will supply 67 SMA battery storage units to one of South America's largest battery energy storage systems, which is under construction ...



## In Chile, ENGIE starts commercial operation of the ...

ENGIE obtained approval from the National Electricity Coordinator (CEN) to start commercial operation of BESS Coya, the largest battery energy storage ...



## Will Chile become the second-largest new energy storage market ...

A hydrogen energy storage project is under planning, developed by HIF Chile in the Magellan-Chile Antarctic Region. By the end of 2023, Chile is expected to have a total of 1 ...

## Energy storage is a challenge and an opportunity for ...

Having launched a national storage strategy in 2023 that sets targets and aims to attract investment in the sector, and with a large pipeline ...





### [Chile: Big renewables-plus-storage project](#)

Located in the northern region of Atacama, the Domeyko Solar + Battery Energy Storage System (BESS) project is currently under construction. The project is expected to ...

### **1.2GWh! Latin America's Largest Solar-Plus-Storage Project to ...**

TrendForce has learned that KKR Group's Contour Global completed the construction of the Quillagua solar-plus-storage power station in Chile in April 2025. It is ...



### **Chile Energy Storage Industry Holds Promise , EMIS**

Chile is exploring a variety of solutions to keep abreast of the changing energy demand landscape ranging from BESS to innovative projects using CO2. In March 2024, ...

### **Construction begins on Chile's 312 MWh Huatacondo battery**

Construction has begun on the 98 MW/312 MWh Huatacondo battery energy storage system (BESS) project in the Chilean region of Tarapacá. Developer AustrianSolar ...





## Energy storage is a challenge and an opportunity for Chile

Having launched a national storage strategy in 2023 that sets targets and aims to attract investment in the sector, and with a large pipeline of projects on the way, Chile's ...



## Chile BESS news: Atlas, Canadian Solar, Colbun, Metlen, Glenfarne

A trio of major BESS news in Chile, with Canadian Solar winning a supply contract, Metlen selling a project and Atlas securing financing.



## Will Chile become the second-largest new energy ...

A hydrogen energy storage project is under planning, developed by HIF Chile in the Magellan-Chile Antarctic Region. By the end of 2023, Chile





## **Verano secures financing for Chile solar-plus-storage project**

Independent power producer (IPP) Verano Energy has closed a US\$204 financing for a 83MW/660MWh solar-plus-storage project in Chile.



## **Canadian Solar's e-STORAGE to Deliver 912 MWh of Energy Storage**

KITCHENER, ON, April 23, 2025 /PRNewswire/ -- Canadian Solar Inc. (the "Company" or "Canadian Solar ") (NASDAQ: CSIQ) today announced that e-STORAGE, which is part of the ...

## **Chile makes progress on energy storage with 20+ approved projects**

The technological diversity of energy storage projects in Chile is remarkable. From battery storage systems to innovative projects with gases such as CO<sub>2</sub>, the country is exploring different ...



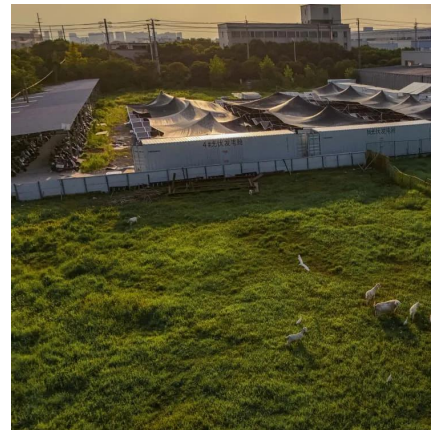
## **In Chile, ENGIE starts commercial operation of the largest Battery**

ENGIE obtained approval from the National Electricity Coordinator (CEN) to start commercial operation of BESS Coya, the largest battery energy storage system in Latin America to date. ...



### **Zelestra reaches financial close for hybrid 1GWh BESS and solar ...**

The hybrid BESS and solar PV project is currently under construction and has already secured an offtake with gas provider Abastible. Image: Zelestra. Spanish developer ...



### **Zelestra and Sungrow Sign Landmark BESS Agreement for 1 GWh Energy**

Renewable energy firm Zelestra has signed a major agreement with leading energy solutions provider Sungrow for the supply of 1 GWh of battery energy storage system ...

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