

# **New Zealand Energy Storage Lead Acid Battery Supply**





## Overview

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What is the NZ battery project?

The NZ Battery Project was set up in 2020 to explore possible renewable energy storage solutions for when our hydro lakes run low for long periods. A pumped hydro scheme at Lake Onslow was one of the options being explored. The Government stopped the Lake Onslow investigations in late 2023.

Which energy company is building New Zealand's first grid-connected battery energy storage system?

Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakākā on North Island. Paris, January 10, 2023 – Saft, a subsidiary of TotalEnergies, has been awarded a major contract by Meridian Energy to construct New Zealand's first large-scale grid-connected BESS.

How does a lithium ion battery work in New Zealand?

How it works The lithium-ion batteries (similar technology to those used in EVs and laptops) will store electricity generated by New Zealand's hydro, geothermal and wind power stations when there is low demand. Without this storage this electricity would otherwise go to waste.

What is a New Zealand battery?

Energy type: Battery storing electricity generated by New Zealand's hydro, geothermal and wind power stations when there is low demand. Construction: Begun July 2024 with the battery expected to be operational by March 2026.



## New Zealand Energy Storage Lead Acid Battery Supply

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### [Glenbrook-Ohurua Battery](#)

The details Location: New Zealand Steel's Glenbrook site in south Auckland Capacity: 100MW (200 MWh) Energy type: Battery storing electricity generated by New Zealand's hydro, ...

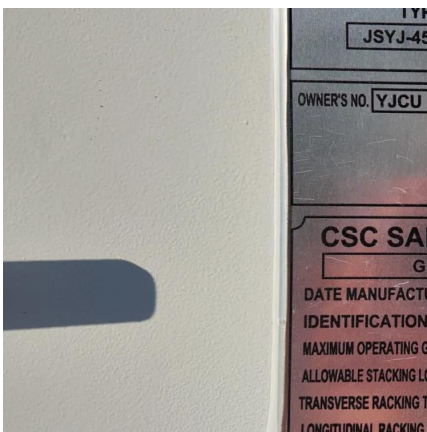
### [BATTERY STORAGE IN NEW ZEALAND](#)

Sep 7, 2023 · We considered hosting our own trial of grid-connected battery storage, but first we chose to investigate the benefits of battery storage across the electricity supply chain. We did ...



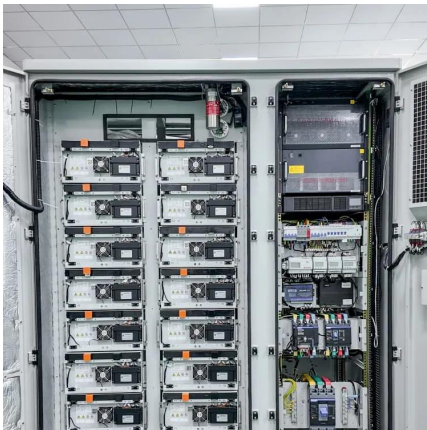
### [Saft energy storage system to support New Zealand's ...](#)

Jan 10, 2023 · Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakaka on North Island Saft lithium-ion technology will ...



### [Home , Battery Direct](#)

Apr 2, 2023 · Battery Direct supply Lead Acid - Wet, AGM, Gel, Hybrid and Dry-cell batteries. We also specialise in Lithium ferrous Phosphate Relion, Powertech, Allion, Vision and Poweroad ...



### NZ Battery Project

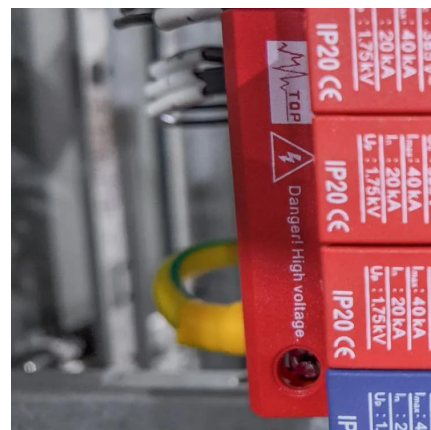
Phase 1 - Feasibility Study  
Phase 2 - Detailed Business Case, Final Investment Decision  
Phase 3 - Implementation  
Scope and decision-points  
Investigation and evaluation of long-term, large-scale renewable energy storage options, including pumped hydro and a range of other dry year storage solutions. The project explores in detail the feasibility of pumped hydro at Lake Onslow, including geotechnical investigations. Cost: approxi... See more on [mbie.govt.nz/saft](http://mbie.govt.nz/saft)

### Saft energy storage system to support New Zealand's ...

Jan 10, 2023 · Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakaka on North Island. Saft lithium-ion technology will ...

### Unlocking the potential for batteries to contribute to security of supply

Apr 16, 2024 · Grid-scale batteries maximise the benefits of renewable energy and provide extra resilience during times of tight electricity supply. Additionally, these batteries, alongside more ...



### NZ Battery Project



Jun 17, 2024 · The NZ Battery Project was set up in 2020 to explore possible renewable energy storage solutions for when our hydro lakes run low for long periods. A pumped hydro scheme ...

### [Lead Acid Battery Businesses in New Zealand](#)

Battery Technology New Zealand Ltd For consultation, advice and supply of lead acid batteries including Hybrid and Lithium LiFePO4 for all industries. Specialists in the Marine and RV and ...



### [Unlocking the potential for batteries to ...](#)

Apr 16, 2024 · Grid-scale batteries maximise the benefits of renewable energy and provide extra resilience during times of tight electricity supply. ...

### [Top Battery Storage Companies in New Zealand](#)

New Zealand aims to transition to renewable energy, and battery storage plays a vital role in this effort by enhancing grid stability and integrating intermittent renewable sources like wind and ...





## Spotlight on New Zealand: Battery storage capacity expands ...

Aug 8, 2025 · New Zealand's electricity system remains heavily dependent on hydro generation, especially in the South Island, where facilities like Manapouri and Clyde dams dominate. ...

### [Glenbrook-Ohuruu Battery](#)

The details Location: New Zealand Steel's Glenbrook site in south Auckland Capacity: 100MW (200 MWh) Energy type: Battery storing electricity ...



### [A regulatory roadmap for battery energy storage systems](#)

Jun 23, 2025 · Battery energy storage systems (BESSs) are the most common new form of ESSs in New Zealand. The Authority is expecting a significant increase in the amount of BESSs ...

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