

## Global PV Storage Insights

# LFP battery system project financing options in New Zealand 2025



## Overview

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What is the NZ battery project?

The NZ Battery Project also seeks to ensure energy using businesses can continue to rely on the electricity system to support continued business and industrial operations. Failure to solve the dry year problem in a 100% renewable electricity system will result in shortages and price volatility with economic costs for electricity-using businesses.

How many technology options are there in the NZ battery project?

A longlist of 28 different technology options was identified early in the NZ Battery Project by the NZ Battery Project team and MBIE Energy Markets policy team. The list was peer reviewed by the NZ Battery Technical Reference Group and Arup Ltd, and further considered by WSP Ltd.

How will future decisions affect the NZ battery business case?

Future decisions made within the New Zealand Energy Strategy, Gas Transition Plan, Hydrogen Roadmap, action plan for decarbonising industry, transport decarbonisation, and Electricity Authority market development workstreams may impact the NZ Battery business case and investment, and vice-versa.

What if the funding requirements for the NZ battery investment are too high?

If the funding requirements for the NZ Battery investment are much greater than anticipated, there may be increased cost burdens for the Crown or electricity consumers. The Indicative Business Case is informed by the current best available cost information, but this will continue to be updated as improved design information becomes available.

Can the NZ battery project achieve 100% renewable electricity?

Increasing storage and/or import of fossil fuels does not support the intentions of the NZ Battery Project to provide a pathway to achieve the goal of 100%

renewable electricity. This requires a focus on renewable energy storage options (such as pumped hydro) and/or demand-side solutions.

Is the Portfolio option a good option for the NZ battery project?

The MCA identifies the Portfolio option as narrowly ahead of Lake Onslow as the option that best meets the competing objectives of the NZ Battery Project. The Portfolio option has a range of positive elements that make it an attractive option in theory.

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### Saft to supply 200 MWh battery storage project in New Zealand

The Saft battery division of French energy and petroleum multinational TotalEnergies will supply 70 of its containerized Intensium Shift+ battery energy storage ...

### Battery Energy Storage Project to Launch in Waikato

"It's essential for New Zealand that industry and investors pick up the pace and move planned projects quickly through the financing, consenting, design, build, and ...



### Aftermarket Battery - EVs Enhanced

1) We intend on offering both lease and finance options within New Zealand and our international partners may also offer similar options in other markets. 2) We've already developed a complete range of plug-in battery translator kits to allow ...

### LFP Battery: The Ultimate Guide You Need in 2025

The blend of safety, longevity, and reliability enables LEVs to journey farther, helping us weave sustainability into our daily commutes.

Now is the new trend in 2025 to use LFP batteries for e-cargo bike s and LFP batteries for e-motorcycles.



## Next steps developing clean energy for NZ , [Beehive.govt.nz](http://Beehive.govt.nz)

The Government will progress to the next stage of the NZ Battery Project, looking at the viability of pumped hydro as well as an alternative, multi-technology approach as ...

## Gigantic New Electric Truck Battery Factory Coming To The USA

The US truck maker PACCAR is among the firms pursuing the electric truck field, with support from a new LFP battery factory.



## Demand for LFP batteries - growth opportunity and reality

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Battery design improvements 800 Energy density disadvantage of LFP being offset by space-efficient cell and pack design concepts: Module-less 'Cell-to-Pack' and long-format 'Blade' cells

## Ford-Owned American LFP Battery Plant Paves Way ...

The company's \$3 billion BlueOval Battery Park Michigan is set to revolutionize American manufacturing, bringing critical LFP battery production home and creating thousands of jobs.



## ReUse

The objective of the ReUse project is to improve the circularity and sustainability of the entire low-value LFP battery waste stream - from production scrap to end-of-life LiB - by developing new recycling processes that maximize the recovery ...

## Unlocking the Full Potential of LFP Battery Solutions in Smart ...

The strategic implementation of LFP battery technology in smart energy projects requires careful consideration of supplier capabilities, system architecture, and long-term ...



## New Lithium Manganese Iron Phosphate Batteries Scaling to ...

Lithium Manganese Iron Phosphate (LMFP) batteries are ramping up to serious scale and could offer a 20% boost in energy density over LFP (Lithium Iron Phosphate) ...

## CATL Announces Next-Generation Energy Storage ...

CATL is stepping up efforts in the battery energy storage systems (BESS) business with the next-generation LFP cells. Available in capacities of up to 587 Ah, the new LFP cells achieve an energy



## New Zealand Battery Project Indicative Business Case v1.10

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This section provides an overview of New Zealand's existing electricity system, the current climate change and decarbonisation policy and strategy framework, what this ...

## Nissan reveals location of new LFP battery factory

The Japanese car manufacturer Nissan has announced the location for its LFP battery factory, announced last year. Construction for the production facility is due to start this year in the city of Kitakyushu (Fukuoka ...



## 'BESS project financing is rapidly evolving,' says ...

CEFC head of solar and battery storage Niall Brady notes the use of virtual battery agreements with BESS assets in Australia, such as the Collie BESS in Western Australia (pictured). Image: Neoen. "Battery energy ...

## Stellantis and CATL to Invest Up to EUR4.1 Billion in Joint ...

AMSTERDAM - Stellantis and CATL today announced they have reached an agreement to invest up to EUR4.1 billion to form a joint venture that will build a large-scale European lithium iron phosphate (LFP) battery plant in ...



## LFP Batteries: Key to Europe's Energy Transition

Recent advances in battery technologies are delivering innovative energy storage solutions both for hybrid clean energy grids and for a new generation of electric vehicles. LFP Batteries vs NMC and NCA Batteries ...

## Hyundai and Kia launch new LFP battery project for ...

Hyundai and Kia eye cheaper EVs with LFP battery tech Hyundai and Kia launched a new project to develop lithium iron phosphate battery cathode material for future EV models.



## New Zealand LFP Battery Pack Market (2025-2031) , Restraints

6Wresearch actively monitors the New Zealand LFP Battery Pack Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, ...

## Saft to supply 200 MWh battery storage project in New Zealand

The energy storage project is expected to come online during the July-to-September period of 2026. Saft described the Huntly Power Station as "the single largest ...



## 202 MW New Zealand agrisolar project reaches ...

The Harmony Energy and First Renewables joint venture have approved the final investment and successfully completed financial close on the 202 MW Tauhei Solar Farm on Aotearoa New Zealand's North Island.

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

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 ...



## Cost Projections for Utility-Scale Battery Storage: 2023 ...

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration ...

## The Rise of LFP Batteries: Are They the Future of EVs?

LFP Battery Disadvantages Lower energy density, meaning less range or a larger battery pack is needed. Slower DC fast charging, but this may depend on the vehicle's cooling system. Not ideal for high-performance EVs, ...



## First Phosphate, American Battery Factory and ...

The initiative ("LFP Project America") is to support ABF's eventual need for up to 40,000 tonnes of annual fully localized LFP CAM for LFP battery cell production in North America by 2028.

## EST-Floattech launches LFP maritime battery system

EST-Floattech has expanded its Octopus Series with Lithium Iron Phosphate (LFP) batteries, a maritime battery system based on another chemical configuration.



## Which Cars Have LFP Batteries?

In 2025 CATL announced a 'dual power' battery. Sodium-LFP Dual-Power Battery: Combines sodium-ion with LFP self-forming anode technology, enhancing cold-weather performance and range. LFP-LFP Dual-Power ...

## LG to Produce LFP Batteries for ESS in USA

LG Energy Solution plans to start mass production of lithium iron phosphate (LFP) batteries for energy storage systems (ESS) in the United States in the second half of ...

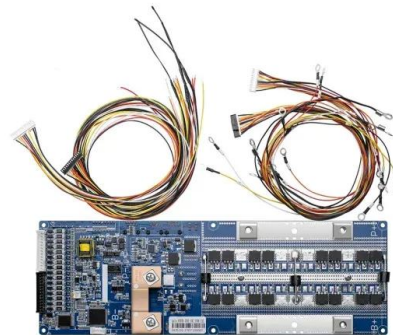


## Lithium-Ion Battery Pack Prices See Largest Drop ...

New York, December 10, 2024 - Battery prices saw their biggest annual drop since 2017. Lithium-ion battery pack prices dropped 20% from 2023 to a record low of \$115 per kilowatt-hour, according to analysis by research provider ...

## EUR150M Financing for Italy's First Lithium Battery Gigafactory

EUR150 Million Financing for Gruppo Seri's Lithium Battery Gigafactory: A Strategic European Investment In April 2025, Gruppo Seri secured EUR150 million in syndicated financing ...



## CATL Starts Mass Production of LFP Cell for

Chinese battery manufacturer CATL has begun mass production of a new lithium iron phosphate (LFP) cell for stationary energy storage systems. According to the company, the 587 Ah cell was developed and tested over a ...

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