

## Kongres Container

# Which energy storage power supply is better in New Zealand



## Overview

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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.

Can battery technology save energy in New Zealand?

transferring and using energy. In New Zealand, our hydro lakes store energy on a large scale. However, until now we have had limited options to store electricity cost-effectively close to where it is used. Around the world, battery technology now offers opportunities to store electricity economically.

Why is electricity important in New Zealand?

For Kiwi homes and businesses. Electricity is a convenient means of transferring and using energy. In New Zealand, our hydro lakes store energy on a large scale. However, until now we have had limited options to store electricity cost-effectively.

Why are battery energy storage systems important?

But renewable energy like solar and wind are intermittent which means Battery Energy Storage Systems, which can be flicked on to supply power quickly, are important to manage winter peaks, and to make the national power grid resilient.

What type of energy is used in New Zealand?

is renewable electricity system. Electricity makes up around one quarter of all energy used in New Zealand. It is mostly generated from renewable hydro (58%), geothermal (11%) and wind (8%) sources, located far from major

demand centres. Total installed generation is approximately 9500MW and produces approximately 42,000GWhr (1.

Why does New Zealand need 'flexible' energy?

has largely displaced thermal generation assets from baseload duty. As with other electricity markets around the world, the use of renewables means the market faces great exposure to climatic conditions - the amount of rain, wind, and sunshine in particular locations - and therefore New Zealand requires significant amounts of 'flexible'

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