

## Solar Energy South Africa

# European energy storage New Zealand



## Overview

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Can 'non-hydroelectric energy storage' be a viable option in New Zealand?

As mentioned above, while New Zealand boasts large hydropower capacity, dry years due to low snowmelt or rainfall can leave hydroelectric unavailable for long periods. A government-supported project, NZ Battery, will investigate the feasibility of “non-hydroelectric energy storage options”.

Is a 35mw/35mwh storage system being built in New Zealand?

The two companies said last Friday (20 October) that their 35MW/35MWh project, in the Waikato region of New Zealand’s Upper North Island, has entered the commissioning phase. Infratec general manager Nick Bibby said that the storage system is “the first of its scale to be built in New Zealand”.

Will Infratec build a new energy storage system in New Zealand?

Infratec general manager Nick Bibby said that the storage system is “the first of its scale to be built in New Zealand”. As reported by Energy-Storage.news, the two companies completed their assessment of the project in late 2021, selecting a site in Huntly, a town in the Waikato District.

What can New Zealand do to improve energy resilience?

WEL Networks and Infratec said they are actively pursuing other opportunities to enhance resilience and increase access to renewable energy in the region. New Zealand currently has a couple of 1MW battery storage systems in operation, but certainly nothing on the scale of the BESS in Huntly.

Can large-scale battery storage help balance New Zealand's grid?

Transmission system operator Transpower also published studies in 2017 that showed the potential value of large-scale battery storage for balancing New Zealand’s grid and in 2019 that showed the potential value of distributed storage.

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.

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### **New Zealand battery project awarded to Saft as**

Mercury CEO Fraser Whineray stands with New Zealand Minister for Energy Dr Megan Woods. Image: Mercury Energy. Construction will commence in New Zealand on the country's biggest battery energy storage system (BESS) project so far in July this year, with the 35MW system expected to be commissioned in December.

### **The European Association for Storage of Energy**

The Energy Storage Global Conference 2024 (ESGC), organised in Brussels by EASE - The European Association for Storage of Energy, as a hybrid event, on 15 - 17 October, gathered over 400 energy storage stakeholders and covered energy storage policies, markets, and technologies. 09.10.2024 / News



### **Energy storage 'centrepiece' of decarbonisation, EC's Simson says**

Gamon spoke later in 2020 on the topic, in a webinar hosted by the European Association for Storage of Energy ENTSO-E, was requested by the EU in March to begin developing a new network code. "This will further support the development of demand response, including rules on aggregation, energy storage and demand curtailment, and address

## New Zealand's first grid-scale battery energy storage system

New Energy World embraces the whole energy industry as it connects and converges to address the decarbonisation challenge. It covers progress being made across the industry, from the dynamics under way to reduce emissions in oil and gas, through improvements to the efficiency of energy conversion and use, to cutting-edge initiatives in renewable and low ...



## Soft Battery Energy Storage System to Support New ...

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 provide 100 MW power and 200 MWh storage ...

## EASE: 'Energy storage for European Union's energy challenges'

With EU elections underway from 6-9 June, EASE--the European Association for Storage of Energy--sent out a media alert regarding a 'manifesto' it published in March ahead of the runup to voting. EASE said energy storage is a "crucial tool" to boost energy security and industrial competitiveness, help lower energy bills across Europe



## Unlocking the potential for batteries to contribute to ...

In March 2022, the Electricity Authority Te Mana

Hiko decided to amend the Electricity Industry Participation Code 2010 to enable energy storage systems, like grid scale batteries, to offer instantaneous reserves. ...



51.2V  
200Ah/300Ah  
LiFePO4 battery

## Implementation challenges as Europe embrace energy storage

The Energy Storage Coalition, brought together by prominent European trade groups for solar, energy storage and wind, together with Breakthrough Institute, assesses that four countries are conducting flexibility assessments (Hungary, Italy, Luxemburg and Portugal), while Greece, Malta and Spain have developed comprehensive strategies on energy storage.



## New Zealand welcomes first big battery to national grid

New Zealand's first utility-scale battery energy storage system has commenced operation with electricity distribution company WEL Networks confirming that its 35 MW/35 MWh Rotohiko battery facility has completed ...

## European Commission approves support for 'at least

...

A panel discussion on the Polish market at the recent Energy Storage Summit CEE in Warsaw. Image: Solar Media . The European Commission

(EC) has approved a EUR1.2 billion (US\$1.32 billion) state aid ...



## New Zealand progressing at pace towards a highly ...

There are also five battery energy storage systems from 100MW to 300MW, with the first 100MW battery (Meridian, Ruakaka) expected to be commissioned in 2024. The Authority is working to improve the visibility of ...

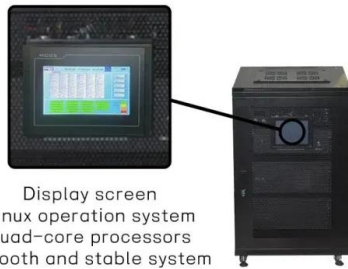
## Energy Storage Awards 2024: Shortlists announced for the ...

Leading energy storage developers, system integrators, products, projects, people, and much more are featured on the shortlists for this year's Energy Storage Awards (ESAs). The Energy Storage Awards 2024, hosted by our publisher Solar Media, marks the second year of recognition and celebration of achievements across the European industry. We



## Harmony Energy and FRV launch Clay Tye - Europe's Joint ...

Harmony Energy, a leading developer, owner and operator of renewable energy infrastructure across Europe and New Zealand, and renewable energy development company, Fotowatio



Display screen  
 Linux operation system  
 quad-core processors  
 smooth and stable system

Renewable Ventures (FRV), part of Abdul Latif Jameel Energy, have announced the energisation and launch of Clay Tye, Europe's joint largest battery energy storage system ("BESS) by ...

## European Union needs pathways for energy storage deployment

Trade group the European Association for Storage of Energy (EASE) has modelled that the EU could need 187GW of energy storage by 2030, which given that it only managed about a gigawatt in 2021, seems a steep climb. Public Service Company of New Mexico (PNM) is seeking regulatory approval of two Energy Storage Agreements and a ...



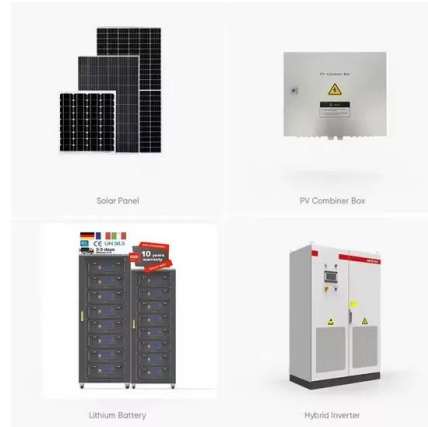
## Genesis picks Saft batteries for 100-MW project in New ...

The deal calls for Saft to equip a 100-MW/200-MWh facility at the Huntly Power Station, the country's largest thermal power complex on New Zealand's North Island. Saft said on Thursday it will engineer the battery ...

## [Europe: Rising battery storage markets](#)

While the UK is a standout leader of the continent in terms of deployment figures, and arguably also sophistication of business models - as pointed out in a new study by Aurora Energy

Research - tracking the European market is also becoming much more interesting, Darmani said. "There was maybe not as much to speak about a couple of years ago on the ...



[Energy Storage Summit 2025](#)

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**Spot the difference: Europe and North America's energy storage markets**

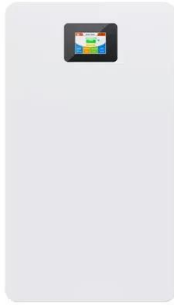
France is also part of the European six nation shared frequency regulation market - which we heard more about from Corentin Baschet in our discussion of why energy storage deployment in Europe experienced a 2019 slowdown but is expected to bounce back and then continue to grow in the coming years. Of course, as we've seen in the past few months ...

18650 3.7V  
RECHARGEABLE BATTERY  
Li-ion  
**2000mAh**



**Saft Battery Energy Storage System to Support New ...**

Saft lithium-ion technology will provide 100 MW power and 200 MWh storage capacity to support grid stability as intermittent wind and solar power increases in New Zealand READ the latest Batteries News shaping the ...



## New European Union energy moves could boost energy storage

"There is no doubt that the more intermittent renewables on the grid, the more flexible technologies such as energy storage will be required to integrate them," Corentin Baschet, head of market analysis at energy storage consultancy Clean Horizon told Energy-Storage.news.. The Commission's proposals for temporary market intervention to mitigate the energy crisis, ...

**12.8V 100Ah**



## [European Energy Storage Outlook](#)

European Energy Storage Outlook Energy Storage Summit Central and Eastern Europe Nelson Nsitem. September 24, 2024. 1. BNEF. 95 53 Japan, Korea and New Zealand, where Bloomberg L.P. and its subsidiaries ("BLP") distribute these products, and (ii) in Singapore and the jurisdictions serviced by

## Europe energy storage investment outlook 2024

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## Saft to deliver 200MWh BESS at New Zealand's biggest electricity

Saft, a subsidiary of French energy giant TotalEnergies, will provide Genesis Energy in New Zealand with a 100MW/200MWh utility-scale battery energy storage system (BESS). Confirmed yesterday (19 September), the 2-hour duration BESS will be installed at Huntly Power Station on the country's North Island, owned by Genesis, a listed New Zealand ...

## [News Archives](#)

Solar PV developer Lightsource bp has started construction on two solar-plus-storage projects in Queensland and New South Wales, Australia, following success in the first tender of the Capacity Investment Scheme (CIS). In the Southeast European country of Montenegro, is looking to add 300MW of BESS to its grid. for a long-duration



## Meridian to build big battery for New Zealand, add solar later

Meridian Energy Ltd (NZE:MEL) intends to build a

battery energy storage system (BESS) of at least 100 MW north of New Zealand's largest city, Auckland, to boost grid stability and allow more power to come from South Island generators.



## Savills Blog , Could battery energy storage systems (BESS) be a

Analysis from SolarPower Europe reveals that, in 2023, Europe installed 17.2 GWh of new battery energy storage systems (BESS), a 94% increase compared to 2022 and marked the third consecutive year of doubling the market. Germany led the market with 34% of the European market share in 2023, followed by Italy (22%) and the United Kingdom (15%).



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