

## European Solar and Energy Storage Solutions

# Mass energy storage New Caledonia



## Overview

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What will totalenergies do in New Caledonia?

Noumea, December 20, 2021 - TotalEnergies will develop a series of photovoltaic and energy storage projects in New Caledonia in order to deliver decarbonized electricity via a 25-year renewable power purchase agreement (PPA) for the industrial operations of mining and metallurgy consortium Prony Resources New Caledonia.

Why do we support New Caledonia's energy transition?

We are very proud to support their energy transition, and that of New Caledonia," s aid Thierry Muller, CEO of TotalEnergies Renewables France. "As industrial firms, we think and act responsibly. Our two companies are committed to protecting natural resources and biodiversity, and to improving the situation of local communities.

Does Prony resources support decarbonization in New Caledonia?

"Prony Resources New Caledonia's commitment to decarbonization is both ambitious and pioneering in the industry. We are very proud to support their energy transition, and that of New Caledonia," s aid Thierry Muller, CEO of TotalEnergies Renewables France. "As industrial firms, we think and act responsibly.

## Mass energy storage New Caledonia



### Total Inaugurates New Caledonia's Solar Power Plant With Energy Storage

The plant will feature a lithium-ion energy storage system (ESS) with a capacity of nearly 10 MW. The combination of a large photovoltaic system with an ESS helps to improve the quality and reliability of the electricity grid for the benefit of the local population.

### Akuo Energy enlisted for 150MWh BESS in New ...

The government of New Caledonia, a French overseas territory in Polynesia, has announced plans for a 150MWh battery energy storage system (BESS) to be deployed by IPP Akuo Energy. Authorities have enlisted Akuo, a ...



### New Caledonia: TotalEnergies and Prony Resources New Caledonia ...

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## New Caledonia: ENGIE subsidiaries on track to meet 2020 net ...

This mode of operation, called "grid-forming", allows minimal use of fossil fuel and maximises the contribution of renewable energy in New Caledonia. The integration of the energy storage unit is part of the second phase of Lifou 100% Renewable Energy by 2020. The first stage comprised the installation of wind and solar energy generation

## ENERGY

Strong energy dependence linked to the metallurgical sector. New Caledonia's energy mix is 97.7% fossil fuel, including 54.1% petroleum products (mainly fuel oil and diesel), 43.6% coal, and 2.3% renewable energies. This high energy dependence is directly linked to the metallurgical industry which consumes 61.2% of the total energy consumption of the territory.



## Total Inaugurates New Caledonia's Largest Solar Power Plant With Energy ...

Equipped with more than 58,000 solar panels,



the plant has installed capacity of nearly 16 megawatts-peak (MWp), enough to cover the energy needs of over 21,000 residents of New Caledonia. The plant will feature a lithium-ion energy storage system (ESS) with a capacity of nearly 10 MW.

## New technologies for consideration in New Caledonia

118 For stationary applications, mass constraints are less important than in mobile applications, and there is a wide range of electrical energy storage solutions. Among the mass storage systems tailored to grids and long "time constants" are: the following:



## Energy storage and net metering

An energy storage system (ESS) for net metering purposes is defined as a commercially available technology that is capable of: absorbing energy; storing it for a period of time; and thereafter; dispatching the electricity. The ESS may not be any technology with the ability to produce or generate energy.

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## Jupiter Power unveils plan for 700MW BESS at

A Jupiter Power BESS project in West Texas, US. Image: Jupiter Power. Utility-scale battery storage developer Jupiter Power has unveiled plans to construct a 700MW standalone battery energy storage system (BESS) facility at the site of a former oil depot previously owned by ExxonMobil in Everett, Massachusetts.

## Massachusetts Energy Rebates & Incentives , Mass.gov

Mass Save is the Commonwealth's nation leading energy efficiency program provider. Below are a list of included services for home owners of single family homes and up to 4 units in a multi-family property. For Municipal utility energy programs visit NextZero; participating municipal utilities listed here or contact utility directly..  
Rebates & Incentives: heating and cooling, lighting ...



## Akuo to Deploy 200 Mwh of Battery Storage in New Caledonia

French renewables developer Akuo has won a



tender to build a large-scale battery storage system in New Caledonia, a French overseas territory in the southwestern Pacific Ocean. The giant battery is expected to be the largest storage facility in the region and also in France, with a planned storage capacity of 200 MWh.

## Akuo Set to Construct France's Largest Battery in New ...

The New Caledonian Government has chosen Akuo, a prominent global independent renewable energy producer and developer, to oversee the construction and operation of a groundbreaking electricity storage facility.



## New Caledonia: TotalEnergies and Prony Resources New Caledonia ...

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## Developers get zoning exemptions for 800MWh

In Carver's case, a moratorium on new utility-scale solar PV plants was also put in place in 2022 and drew criticism from the Massachusetts Attorney General's office, while Medway's

moratorium on energy storage facilities in the town's Energy Resource zoning district, in place from late 2021, appears to have ended on 30 June this year.

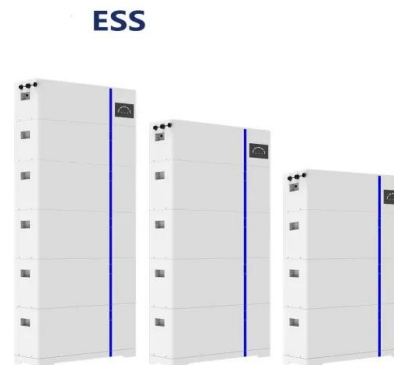


## New Caledonia: TotalEnergies and Prony Resources New Caledon

By combining solar energy and energy storage to replace electricity generated from coal, TotalEnergies is demonstrating its ability to provide a sustainable energy solution to Prony Resources New Caledonia while meeting demanding local, industrial, environmental and social requirements.

## Akuo authorised to build 50-MW battery in New Caledonia , Energy

The government of New Caledonia, a French overseas territory in Polynesia, has given the green light to the construction of a 50-MW/150-MWh battery energy storage system (BESS) by domestic renewable power producer and developer Akuo.



## Akuo to Deploy 200 Mwh of Battery Storage in New ...

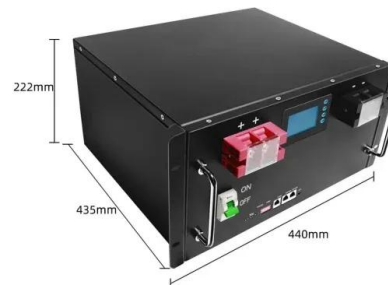
French renewables developer Akuo has won a tender to build a large-scale battery storage system in New Caledonia, a French overseas

territory in the southwestern Pacific Ocean. The giant battery is expected to be the ...



## Production of renewable energy in New Caledonia , Akuo

Kwita Wije SAS, combining GPMV, photovoltaic greenhouses and storage - 6 MW of solar & 3 MW / 3 MWh of storage. The Akuo teams are continuing to develop several renewable energy projects in New Caledonia, by constantly highlighting the values that characterize us, combining the local production of green energy associated with innovative



## Total Opens New Caledonia's Largest Solar Power Plant With Battery Storage

Total Quadran now manages 7 solar power plants in New Caledonia with a cumulative capacity of 50MW. This latest New Caledonia solar project is the second Boulouparis project, joining a 11 MW project commissioned in 2017.

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## Caledonia Energy Partners , Enstor

Caledonia Energy Partners is a FERC-certified high-deliverability, multicycle natural gas storage facility located in Lowndes County in Mississippi and is connected to Tennessee Gas Pipeline's 500 Leg in Zone 1. Tennessee shippers and TGP 500 Pool traders can access Caledonia through segmentation and pooling service on Tennessee. Caledonia customers include utilities, power ...

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