

Thailand s largest energy storage project





Overview

Bangkok, 8 September 2025 – PTTEP has reached the final investment decision (FID) on Carbon Capture and Storage Project (CCS) at the Arthit gas field. Why is energy storage important in Thailand?

Bangkok, Thailand, May 15th, 2023 /PRNewswire/ -- With Thailand devoting itself to reducing the carbon emission to “Zero”, renewable energy is becoming increasingly vital in the country’s energy structure. Undoubtedly, energy storage continues to play an essential part in solving intermittency and volatility.

Can BESS create business opportunities in Thailand?

Watcharin Boonyarit, director of solar energy development at the Department of Alternative Energy Development and Efficiency, noted the potential for BESS to create business opportunities as Thailand transitions to renewable power sources. “We should not only import BESS but also consider new investment projects in this battery business.”.

Which energy storage projects did Sungrow provide?

Sungrow also supplied a 6.19MWh energy storage project for Electricity Generating Authority of Thailand (EGAT) in the Mae Hong Son province, and a 4.12MWh energy storage project for Provincial Electricity Authority (PEA) in Chiang Mai.

What is Thailand's 2024 Power Development Plan?

Thailand’s 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar panels and wind turbines. This could create new business opportunities for entrepreneurs if prices decrease or new technologies emerge for stationary batteries.

Could a sodium-ion battery be a new business opportunity in Thailand?

The Federation of Thai Industries’ Renewable Energy Industry Club sees



potential in sodium-ion battery (SIB) production as an alternative to lithium-ion batteries. SIBs, made from rock salt, could offer a new business opportunity given Thailand's abundant rock salt reserves.

Could rock salt be a new business opportunity for Thailand?

SIBs, made from rock salt, could offer a new business opportunity given Thailand's abundant rock salt reserves. Veeradej Tejapaibul, the vice-chairman of the club, suggested that government support for rock salt exploration could attract investment in SIB manufacturing.



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Sungrow and Super Energy Work on 45MW BESS Project in Southeast Asia

Sungrow cooperated with Super Energy to build Southeast Asian battery energy storage system (BESS) project. Sungrow will supply the comprehensive PV plus BESS ...

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[Sungrow and Super Energy Work on the Largest ...](#)

BANGKOK, Nov. 15, 2021 /PRNewswire/ -- Sungrow, the global leading inverter solution supplier for renewables, cooperated with Super Energy, the leading ...

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Biggest projects in the energy storage industry in 2024

Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.

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The Race to Zero Carbon: Sungrow Contributes to Thailand's ...

The PowerTitan, associated with Sungrow's inverter solutions, was already installed in Super Energy's SPP Hybrid project in the Sa Kaeo province, the largest solar-plus ...



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Thailand's Egat to Transform Hydropower Dams into Energy Storage

5 days ago · The Electricity Generating Authority of Thailand (Egat) plans to convert three hydropower dams into massive energy storage systems with a 90-billion-baht investment. This ...

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[Thailand utapao energy storage project](#)

SET-listed B.Grimm Power, Thailand's top power generation firm by capacity, has started development of the world's largest hybrid power supply system to serve U-tapao UTAPAO ...

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Thailand Secures \$820M ADB-Gulf Energy Loan for AI-Ready ...

Thailand accelerates deployment of solar-plus-storage infrastructure, including floating solar arrays, to meet rising energy demand from AI and digital sectors.

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Sungrow is supplier to Thai solar-plus-storage project ...

What is thought to be Southeast Asia's single largest battery energy storage system (BESS) to date will be supplied to a solar PV-plus ...

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The Race to Zero Carbon: Sungrow Contributes to ...

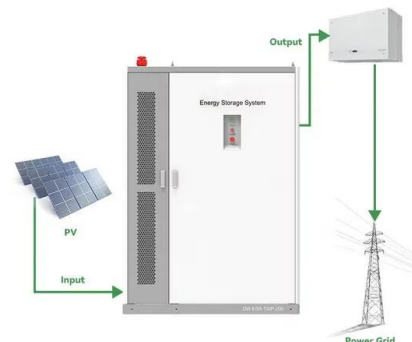
The PowerTitan, associated with Sungrow's inverter solutions, was already installed in Super Energy's SPP Hybrid project in the Sa Kaeo ...

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Thailand's renewable energy plan boosts battery storage systems

Thailand's 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar panels and wind turbines. This could ...

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PTTEP approves Thailand's first CCS project with \$320 million

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Thailand's 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar ...

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Hitachi ABB Power Grids selected for Thailand's ...

Impact Solar selected Hitachi ABB Power Grids' energy storage system for use in the country's largest private-owned microgrid.

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ESS



Thailand to Boast the Largest Solar-plus-storage Project in ...

Global inverter and energy storage solution supplier Sungrow is partnering with renewable energy specialist Super Energy to construct the largest solar-plus-storage project in Southeast Asia.

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[Thailand solar farm with battery storage](#)

What is thought to be Southeast Asia's single largest battery energy storage system (BESS) to date will be supplied to a solar PV-plus-storage project in Thailand by Sungrow.

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Expanding global industrial terminal capacity, Thai Tank

It provides storage and logistics infrastructure for liquid chemicals and gases, ensuring secure and efficient terminal operations at Map Ta Phut, Thailand's largest industrial ...

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Sungrow and Super Energy launch the largest solar ...

Sungrow, the global leading inverter and energy storage solution supplier, together with the renewable energy company Super Energy has ...

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EGAT continues to develop hydrogen technologies and energy storage

EGAT continues to develop hydrogen technologies and energy storage systems 9 August 2023 EGAT invited the media to update on clean energy innovations, learning about ...

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Gorilla Technology Secures Landmark \$1.8 Billion Agreement to ...

Bangkok, Thailand- (March 3, 2025) - Gorilla Technology Group (NASDAQ: GRRR) has signed a historic \$1.8 billion agreement to lead Thailand's largest-ever energy digitisation and ...

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Thailand's New Energy Storage Revolution: Innovations ...

This tropical paradise isn't just about pad thai and full moon parties anymore - it's becoming Southeast Asia's new energy storage powerhouse. With renewable energy ...

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The major Battery Storage projects from around the ...

We provide a detailed report on all the major Battery Storage construction projects around the world with key focus on the largest projects in ...

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PTTEP takes FID on \$320 million offshore CCS project

4 days ago· Thailand's national upstream company PTTEP has taken the final investment decision on the carbon capture and storage (CCS) project at its producing Arthit gas field in ...

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Fidra Energy reaches financial close on the UK's largest battery energy

2 days ago· Fidra Energy, a European battery energy storage system (BESS) platform headquartered in Edinburgh, UK, today announced it has secured up to £445 million of new ...

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PTTEP moves forward with Thailand's first CCS project at Arthit ...

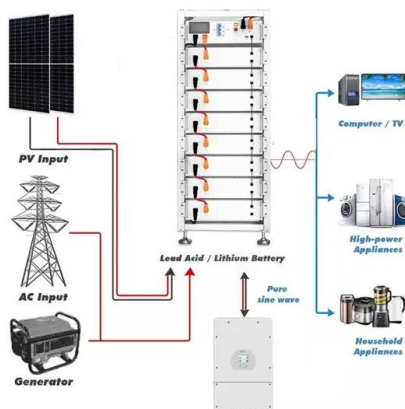
Bangkok, 8 September 2025 - PTTEP has reached the final investment decision (FID) on Carbon Capture and Storage Project (CCS) at the Arthit gas field. This milestone marks Thailand's first ...

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Thailand: GULF Renewable Power Project

The objective of the Project is to promote clean energy generation in Thailand through the development of a portfolio of solar photovoltaic (PV) power plants and the ...

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Thailand's emerging energy storage sector

Energy storage is in its infancy in Thailand, and new business models are already emerging. As the regulatory framework adapts to accommodate new players in the market, it ...

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