



# 1MW energy storage project in Thailand





## Overview

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There are plans to increase storage capacity, but it may not be enough for the Kingdom to complete a successful clean energy transition. Asian Insiders' partner in Thailand, Axel Blom, takes an in-depth look at the current situation.

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Battery Energy Storage System (BESS) stores excess power of the system and supplies it when needed. As it discharges power quickly, it helps enhance the stability of the power system. EGAT has installed grid-scale BESS to manage fluctuations of renewable energy in certain areas, such as Chai Badan.

Thailand intends to source nearly 35,000 MW of new electricity from renewables as it looks to reach carbon neutrality and net zero commitments. However, the deployment of Battery Energy Storage Systems across the country remains limited. There are plans to increase storage capacity, but it may not.

Battery energy storage systems (BESS) are essential for buildings and renewable power generation facilities to ensure uninterrupted electricity supply. Renewable sources like solar and wind power are intermittent, and influenced by weather patterns. BESS mitigates this issue by storing electricity.

Nevertheless, Thailand's decarbonisation commitments in its Nationally Determined Contributions (NDCs) under the Paris Agreement have triggered new rounds of renewable energy deployment, with over eight GWp of greenfield wind and solar projects announced or in the procurement pipeline. Moreover, a.

Chiang Mai, Thailand – September 5, 2025 – Wenergy, a leader in energy storage solutions, is proud to announce the successful launch of its Battery Energy Storage System (BESS) project in Chiang Mai, Thailand. In partnership with local collaborator TCE, this milestone marks a significant step.

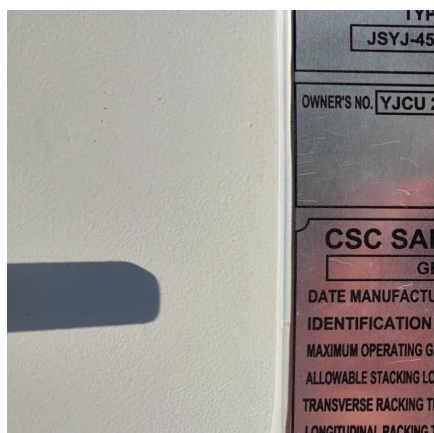
This tropical paradise isn't just about pad thai and full moon parties anymore – it's becoming Southeast Asia's new energy storage powerhouse. With renewable energy integration hitting 30% of its grid by 2037 [1], Thailand's storage solutions



are hotter than a tom yum soup! China's Dongfang.



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### Thailand's renewable energy plan boosts battery storage systems

Thailand's 2024 plan increases renewable energy, highlighting crucial battery storage systems for buildings and power generation.

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### [Wenergy Launches Green Energy Storage Project ...](#)

With Thailand's plan to increase renewable energy share to 30% by 2037, the northern region alone will require an additional 5GWh of energy ...

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### Ambitious solar and storage targets to save 'billions' for Thailand

The increased solar and energy storage targets could sustain the forecasted electricity demand increase from data centres and EV charging in the coming years.

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### [Inside Thailand Renewable Energy Expansion Plans](#)

Thailand renewable energy expansion is gaining speed with major solar investments, but outdated grids and policies pose key challenges to progress. Read here!



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Rondo Energy and SCG Cleanergy have commenced operation of Southeast Asia's first industrial thermal battery energy ...

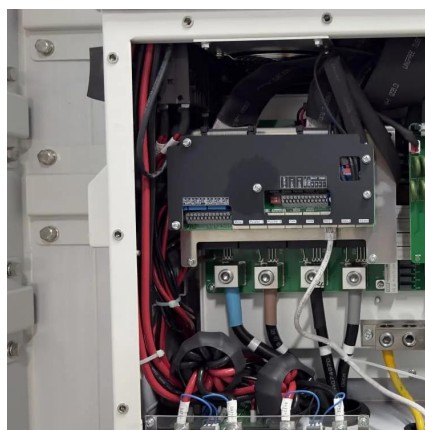
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The increased solar and energy storage targets could sustain the forecasted electricity demand increase from data centres and EV ...

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With ongoing deployment of variable renewable energy technologies, such as solar and wind power, the opportunities for energy storage projects will increase. Long-term ...

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### [ESS: A Power Source for Enhancing](#)



## Renewable Energy Stability

To address this, the Electricity Generating Authority of Thailand (EGAT) has developed Energy Storage System (ESS) to provide backup when the sun is not shining or the wind is not ...

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## Thailand Needs More Battery Energy Storage Systems

Thailand may lack the Battery Energy Storage Systems (BESS) necessary to navigate supply and demand challenges. The 2024 PDP draft included 10,000 MW of BESS, ...

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## **Wenergy Launches Green Energy Storage Project in Thailand, ...**

With Thailand's plan to increase renewable energy share to 30% by 2037, the northern region alone will require an additional 5GWh of energy storage capacity, presenting tremendous ...

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

while you're sipping coconut water on a Phuket beach, Thailand's engineers are busy building floating solar islands and next-gen batteries that could power entire cities.

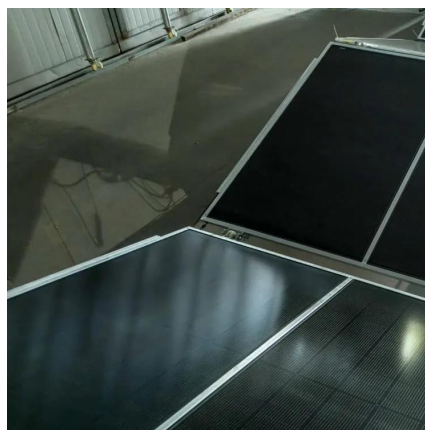
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Rondo Energy and SCG Cleanergy have commenced operation of Southeast Asia's first industrial thermal battery energy storage system (BESS) at SCG's cement plant in ...

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Thailand renewable energy expansion is gaining speed with major solar investments, but outdated grids and policies pose key ...

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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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