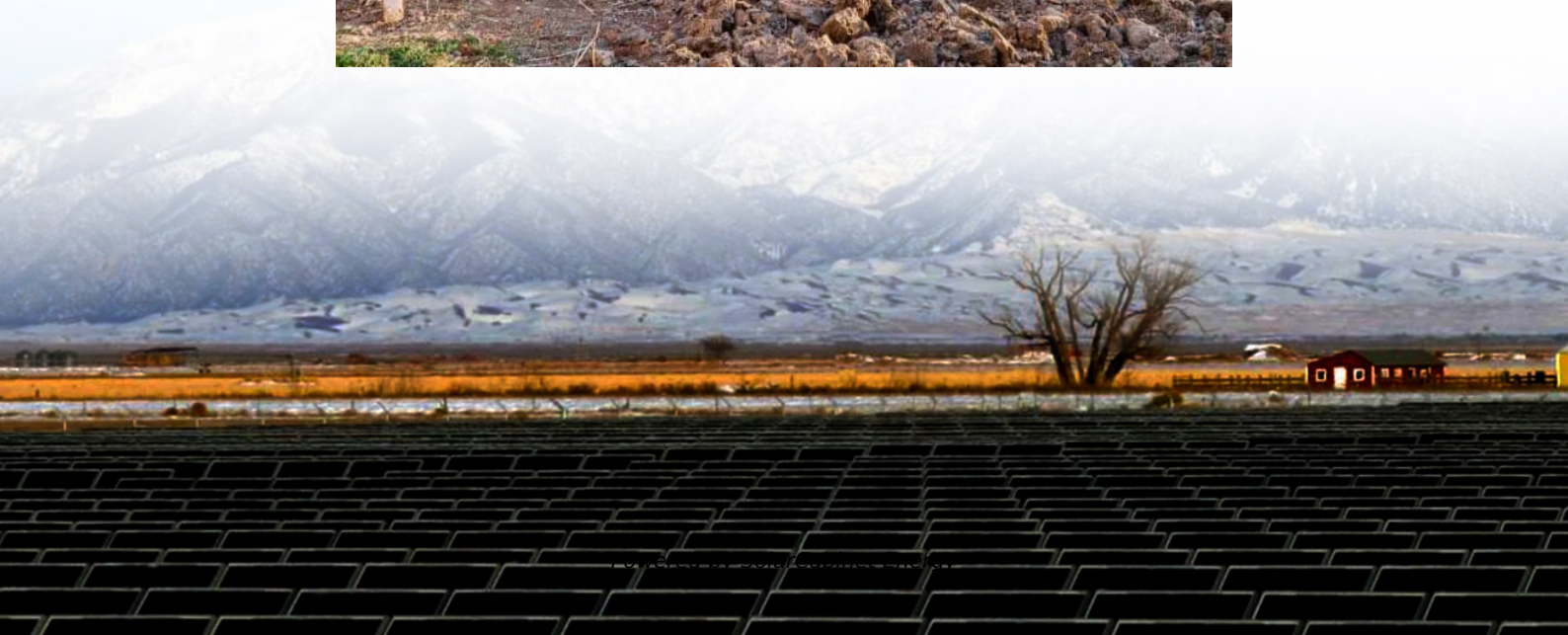


Thailand lithium power energy storage project





Overview

On March 13, Thailand's Board of Investment (BOI) announced that it approved Sunwoda (SZ:300207) Sunwoda (SZ:) to invest more than 50 billion baht (about 10.8 billion yuan) to build a battery production facility in Thailand. Does Thailand need a battery energy storage system?

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, but this may see the country struggle to fulfil carbon neutrality and Net Zero commitments over the coming decades.

Why is battery storage a problem in Thailand?

This is partly due to a lack of clarity on how battery storage fits into existing electricity infrastructure. In 2022, the Thai government approved 24 BESS projects, all of which were located alongside solar operations. Their total combined storage capacity was 994 MW.

How many mw can a solar generator store in Thailand?

Their total combined storage capacity was 994 MW. Interestingly, this allowed generators to sign semi-firm power purchase agreements (PPAs) with the Electricity Generating Authority of Thailand (EGAT) with minimum availability guarantees. Many solar projects in Thailand have non-firm PPAs in place due to a lack of storage on site.

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.

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.

Why do some solar projects in Thailand have non-firm PPAs?

Many solar projects in Thailand have non-firm PPAs in place due to a lack of storage on site. Arrangements, including BESS, reduce the strain on power grid infrastructure and allow for better planning. On the downside, these do not improve grid stability, nor do they provide power generators with more pathways to increase revenue.



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In July 2024, EVE Lithium Energy (SZ: 300014) announced that it plans to invest in the construction of energy storage battery and consumer battery manufacturing projects in ...



[Energy Storage in Thailand: Powering the Future with Innovation](#)

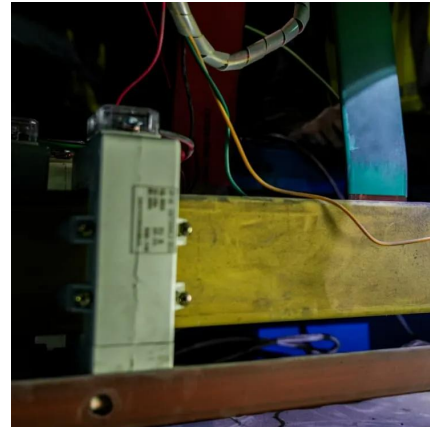
Here's the kicker: Thailand isn't just adopting energy storage tech - it's reinventing it. From repurposing rice mills as storage hubs to testing saltwater batteries in coastal areas, ...

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The project will be the first private sector project in Thailand to integrate utility-scale wind power generation with battery energy storage, and will



have an important demonstration effect.



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