

SolarInnovate Energy Solutions

Indonesia Construction Investment Energy Storage Project



Overview

French energy group TotalEnergies will build a 1 GW solar energy plant, along with a battery energy storage system (BESS) and a submarine cable, in Indonesia's Riau province in collaboration with Singapore-based conglomerate RGE. Is energy storage developing in Indonesia?

IESR has issued a report for the first time assessing the development of energy storage in Indonesia in *Powering the Future: An Assessment of Energy Storage Solutions and The Applications for Indonesia*.

Can solar energy be a strategy to meet Indonesia's energy goals?

Solar energy can be a strategy to meet this target," said Deon Arinaldo, Program Manager of Energy System Transformation, at the launch of the Indonesia Solar Energy Outlook 2025 study report – *Breaking the Walls: The Future of Indonesia's Solar Energy and Energy Storage Innovations* (15/10/2024).

How much does Indonesia's infrastructure project cost?

The cost of the project is officially estimated at \$33 billion and will take a decade to complete. In terms of funding, the Indonesian government has recently launched a Sovereign Wealth Fund dubbed Indonesia Investment Authority (INA) to draw more foreign investments for its infrastructure drive, among other national development plans.

What is Sembcorp doing in Indonesia?

Comprising a 50MW solar farm with a 14.2MWh battery energy storage system, this project is Sembcorp's inaugural venture into large-scale solar development in Indonesia. A launch ceremony was held earlier today to commemorate the occasion, with distinguished guests including the President of the Republic of Indonesia, Mr Prabowo Subianto.

Why is accelerating the energy transition important in Indonesia?

Accelerating the energy transition is important to bring Indonesia into this circle. Zainal Arifin, EVP of Renewable Energy, PT PLN, said that the combination of VREs and energy storage systems such as batteries will be a game changer for overall energy supply.

Does Indonesia have a solar energy future?

Muhammad Dhifan Nabighdazweda, IESR Energy Analyst, based on IESR monitoring in the Indonesia Solar Energy Outlook (ISEO) 2025 study, explained that solar energy capacity in Indonesia has also increased but the figure is still very small compared to its potential.

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Indonesia IKN 50MW PV + 14MWh Energy Storage EPC

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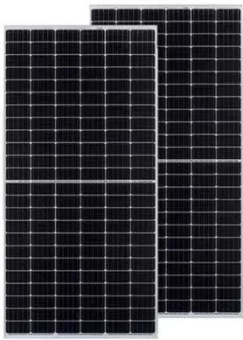


TotalEnergies, RGE Plan 1 GW Solar Plus Storage In Indonesia

Jun 2, 2025 · French energy group TotalEnergies will build a 1 GW solar energy plant, along with a battery energy storage system (BESS) and a submarine cable, in Indonesia's Riau province ...

Sembcorp and PLN Nusantara Power Launches First Utility ...

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Sembcorp partners with PLN for Indonesia's solar-plus-BESS project

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Aug 11, 2025 · The new initiative features plans for 1 MW solar minigrids tied with 4 MWh of accompanying battery energy storage, to be deployed across 80,000 villages, alongside 20 ...

Indonesia's Energy Transition: Key steps in accelerating the

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