

SolarGrid Energy Solutions

Indonesia Energy Storage Battery Industrial Park



Overview

Spanning over 2,000 hectares, the project covers the full battery value chain including nickel mining and processing, battery materials and battery recycling at the FHT Industrial Park of East Halmahera, North Maluku Province, and battery manufacturing in Artha Industrial Hill (AIH) and KNIC of Karawang, West Java Province. What is Indonesia's New integrated battery industrial park?

The newly developed integrated battery industrial park there is a critical part of Indonesia's end-to-end battery supply chain strategy. The CATL's new battery plant, located in Karawang, West Java, represents a \$5.9 billion investment. (Photo: CATL).

What is Indonesia's Battery Integration Project?

"A standout feature of the Indonesia Battery Integration Project is the establishment of the country's first renewable energy circular system . utilizing cutting-edge technologies to achieve ultra-low energy consumption and high-value material regeneration," Battery Technology's Maria Guerra wrote.

Where is Indonesia's New battery plant located?

The battery plant, located in Karawang, West Java, represents a \$5.9 billion investment. Key stakeholders include Indonesia Battery Corporation (IBC), mining giant Aneka Tambang, CATL, Brunp Recycling (a CATL subsidiary), and Chinese battery materials producer Lygend Resources. The facility is designed with capacity of up to 15 gigawatts (GW).

Which EV battery company will build a 15 GW plant in Indonesia?

CATL in a joint venture with state-owned Indonesia Battery and PT Aneka Tambang will build the 15 GW plant in Karawang regency in Indonesia's West Java province. The facility is expected to generate power for 250,000 to 300,000 cars. China's CATL, the world's biggest EV battery maker, broke ground on a USD 6 billion battery facility in Indonesia.

Is China bringing EV batteries to Indonesia?

Indonesia is powering up, and China's Contemporary Amperex Technology intends to provide the storage capacity. CATL, already the world's largest EV battery maker, is planning to expand its operations into Indonesia. Activity will focus on the entire pack lifecycle, "from mining to recycling," per Battery Technology.

How can CATL support Indonesia's EV ecosystem?

Recognizing this opportunity, CATL has announced a groundbreaking initiative to support Indonesia's EV ecosystem through the Indonesia Battery Integration Project. This ambitious initiative aims to strengthen the country's battery supply chain and promote the adoption of sustainable energy.

Indonesia Energy Storage Battery Industrial Park



The future of Indonesia's green industrial policy

Mar 4, 2025 · Indonesia now supplies more than half of the world's nickel. Under its green industrial policy, it has also become a leading destination for foreign investment in critical ...

Indonesia strengthens EV battery industry through strategic ...

May 23, 2025 · Meanwhile, CATL's involvement in the Dragon Project is facilitated through its subsidiary, Ningbo Contemporary Brup Lygend (CBL). Together with IBC, CBL will develop a ...



CATL breaks ground on \$6 billion battery project in Indonesia

Jul 1, 2025 · The battery plant in Karawang will deliver an annual capacity of 6.9 GWh in the first phase. The other key component of the project is the establishment of Indonesia's first ...

REPT BATTERO's 30MW/33.5MWh Energy Storage System Powers

Tsingshan Park

Apr 18, 2025 · REPT BATTERO's 30MW/33.5MWh energy storage system successfully connected to the grid in Tsingshan Park, Indonesia, advancing stability and green energy.



BATTERY EXHIBITION , The Indonesia's Only ...

Reflecting on the growing energy storage market in Indonesia, GEM Indonesia as the leading industrial event organizer in Southeast Asia for more than 15 years ...

TotalEnergies and RGE Ink Co-Investment Agreement to ...

May 30, 2025 · Indonesia & Singapore, 28 May, 2025: TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment ...



CATL and Partners Break Ground on US\$6 Billion Battery ...

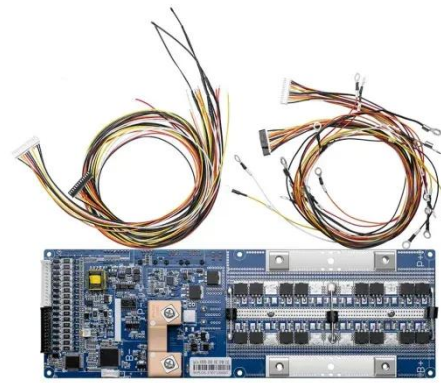
Jul 1, 2025 · Spanning over 2,000 hectares, the Indonesia Battery Integration Project, with a planned investment of nearly USD 6 billion,

covers the full battery value chain including nickel ...



Key Facts about Indonesia's Energy Storage System

Jun 25, 2025 · Indonesia has recently launched a 5 megawatt Battery Energy Storage System (BESS). The new energy storage system is a device that ...



Rept Battero to develop 8GWh Indonesia BESS cell gigafactory

Jan 17, 2025 · Image: REPT via LinkedIn
Chinese battery manufacturer Rept Battero has announced plans to develop an 8GWh gigafactory in Indonesia specialising in lithium-ion cells ...

Indonesia launches first containerised energy ...

Feb 26, 2025 · The first and largest containerised battery energy storage system (CBESS) for solar power has been launched in Indonesia.



TotalEnergies And RGE Team Up To Build Solar And Battery Storage

May 29, 2025 · TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment Agreement to jointly develop, ...

200MW+80MWh! Indonesia's largest integrated solar energy storage

On July 16, 2025, Morowali Industrial Park in Sulawesi Province, Indonesia welcomed a milestone clean energy project - a 200MW photovoltaic power station with an 80MWh energy storage ...



Indonesia's Electric Battery Industrial Strategy

Feb 2, 2024 · Indonesia's ambitious targets in the electric battery industry offer a prime opportunity for strategic investments and partnerships. Foreign ...



Indonesia: CATL in US\$6 billion battery integration project

Jul 7, 2025 · The Indonesia Battery Integration Project will involve multiple sites involved in everything from nickel mining and processing, battery materials production, and recycling to a ...



PT Indonesia BTR New Energy Material (Kendal)

PT Indonesia BTR New Energy Material, a BTR New Material Group subsidiary, manufactures advanced natural and artificial graphite anode materials for ...

Top 14 Battery Storage Companies in Indonesia (2025) , ensun

PT Merdeka Battery Materials Tbk (IDX:MBMA) specializes in manufacturing battery materials, particularly through the extraction of nickel and cobalt, which

are crucial for battery storage. ...



RGE and TotalEnergies team up for solar, energy storage ...

May 29, 2025 · The project is under a develop, build, and operate arrangement. RGE and TotalEnergies, through their equally owned joint venture Singa Renewables, have entered into ...

Indonesia Battery Market 2025-2033 Overview: ...

Jan 7, 2025 · The size of the Indonesia Battery Market was valued at USD 233.20 Million in 2023 and is projected to reach USD XXX Million by 2032, with an ...



CATL breaks ground on \$5.9 billion new battery ...

Jul 1, 2025 · Indonesian Minister of Energy and Mineral Resources Bahlil Lahadalia stated at the groundbreaking

ceremony that the factory will be ...



Indonesia Battery Market Analysis

5 days ago · The battery market in Indonesia has witnessed significant growth in recent years, driven by the increasing demand for power storage solutions in ...



CATL breaks ground on Indonesian battery plant

Jun 30, 2025 · CATL has laid the foundation stone for a battery cell factory in Indonesia in collaboration with its joint venture partner, Indonesia Battery ...

Indonesia Energy Storage Market 2024-2030

Apr 25, 2025 · INDONESIA ENERGY STORAGE MARKET KEY FINDINGS
Indonesia has over 17,000 islands, with many lacking access to reliable ...



Sembcorp cancels Indonesia solar-plus-storage project

Mar 29, 2023 · Sembcorp pulls plug on Indonesia solar-plus-storage project, shortly after completing Southeast Asia's biggest battery storage project.

Indonesia breaks ground for \$6b battery integration project

Jul 4, 2025 · Spanning over 2,000 hectares, the project covers the full battery value chain including nickel mining and processing, battery materials and battery recycling at the FHT ...

Our Lifepo4 batteries can beconnected in parallels and in series for larger capacity and voltage.



Home

Aug 6, 2025 · The pioneer of the International Battery Summit in Indonesia is back with the theme "Powering the Future: Advancing the Global Energy ...



CATL and Indonesian Companies to Jointly Invest Nearly ...

Apr 21, 2022 · CATL's stakes in these ventures will range from 49% to 70%. CATL has stated that the integrated manufacturing project in Indonesia will expand the company's presence in the ...



Indonesia Clean Energy Battery Storage System

Apr 19, 2024 · There is growing market potential for Battery Energy Storage System (BESS) solutions for solar and wind energy in Indonesia.

CATL breaks ground on \$6 billion battery project in Indonesia

Jul 1, 2025 · "Spanning over 2,000 hectares, the Indonesia Battery Integration Project, with a planned investment of nearly USD 6 billion,

covers the full battery value chain including nickel ...



Bakrie and Shanghai-based Envision to develop Net Zero Industrial Park

Jun 6, 2023 · Envision Group founder and CEO Lei Zhang has confirmed that Envision, in partnership with PT Bakrie & Brothers Tbk (BNBR), will embark on the development of a Net ...

SEG Solar Builds a 5 GW Integrated Photovoltaic ...

6 days ago · SEG Solar is building a 5 GW photovoltaic park in Indonesia, aiming to optimize its global supply chain and support the development of the local ...



Indonesia Battery Market

Jan 23, 2025 · Indonesia Battery Market Size - Industry Report on Share, Growth Trends & Forecasts Analysis (2025 - 2030) The Indonesia Battery Market ...



China Indonesia Comprehensive Industrial Park ...

Nov 15, 2022 · The electric energy produced by them will be mainly used to produce new energy ternary battery materials. After completion, the ...



CATL Launches \$6B Indonesia Battery Integration Project ...

Jul 4, 2025 · Model: Sets a new international benchmark for green, circular industrial development through full vertical integration. Indonesian President Prabowo Subianto, attending the ...

CATL's \$6 Billion Indonesia Battery Project Boosts EV ...

Jul 16, 2025 · Covering over 2,000 hectares across multiple locations, including the FHT Industrial Park in East

Halmahera and facilities in Karawang,
the project aims to enhance Indonesia's

...



Event Info , BATTERY EXHIBITION

Reflecting on the growing energy storage market in Indonesia, GEM Indonesia as the leading industrial event organizer in Southeast Asia for more than 15 years proudly present Battery &

...

Southeast Asia's Largest Solar Industrial Park In ...

May 15, 2024 · SEG Solar and Kawasan Industri Terpadu Batang (Grand Batang City) in Indonesia signed pact for a solar industrial park in the Batang ...



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