

Indonesian coal mine energy storage project

Why are Indonesia's coal plants doubling in capacity?

Captive coal plants built for industry have tripled in capacity since 2019, exploiting a loophole in Indonesia's coal moratorium and undermining its climate pledges under the Paris Agreement and Just Energy Transition Partnership (JETP).

What are Indonesia's coal gasification projects?

The coal gasification projects are part of the 21 natural resource processing projects worth \$40 billion that the government seeks to accelerate. Indonesia also plans to increase its fuel storage capacity and build a refinery with capacity of 500,000 barrels per day to ensure energy security, Bahlil said.

Does Indonesia have a captive coal plant?

Indonesia's metals-processing focus, which the government calls "downstreaming," has turbocharged the expansion of captive coal plants. Since 2019, captive coal capacity has tripled from 5.5 GW to 16.6 GW, and the fleet now comprises 130 plants of at least 30 megawatts each, with 21 more in development, according to the GEM report.

Will Indonesia retire coal plants early?

That phaseout plan is part of Indonesia's Just Energy Transition Partnership (JETP), signed in 2022 with a group of industrialized countries that pledged to help with the energy transition. But three years into the JETP implementation, there's been little progress on retiring coal plants early, Zakki said.

How can Indonesia transition from coal to renewables?

oReform the energy policy framework: In other coal regions around the globe, one of the first steps to get started with the transition are investments into renewables, but in Indonesia this is hardly seen due to fossil subsidies and policy framework conditions. This urgently needs to change.

Is Indonesia's New coal plan environmentally friendly?

Although Jakarta has previously said the new plan would be its most environmentally friendly, helping to achieve a 2060 target of net zero greenhouse gas emissions, it walked back Indonesia's commitment on retiring coal assets. "Coal should not be considered an illicit commodity," Energy Minister Bahlil Lahadalia told a press conference.

As a leading supplier of critical minerals for the global clean energy supply chain, Indonesia must leverage its national plan and retire captive coal-fired power plants to decarbonise energy ...

The success of Indonesia's energy transition depends on opening up a clear project pipeline and addressing the current issue of capacity oversupply by successively greening or replacing ...

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Indonesian coal giant Adaro Energy is struggling to raise money from international banks to finance a landmark \$2bn aluminium project, as ...

Increasing coal generation beyond 2030 is incompatible with the Just Energy Transition Partnership and the Paris Agreement targets. The ...

The collaboration with PT Cipta Kridatama demonstrates how green energy adoption can drive both operational efficiency and long-term ...

The coal business has been booming since the early 1990s. Indonesia's coal production rose from a mere 13 million tons in 1991 to more than 606 million tons in 2021. Who ...

RWE will acquire 7 potential solar and energy storage projects on Peabody's land and will partner with the mining firm on the remaining 3.

JAKARTA -- As much of the world shuts coal power plants and shelves new proposals, Indonesia is bucking the trend -- adding the third-highest volume of coal capacity ...

The projected total capacity in two years is "greater than the total coal plant capacity of all of Australia in 2023 and would put captive in the ...

The guide This guide is not intended to be a comprehensive study of all aspects of the mining industry in Indonesia but rather a general guide to certain key considerations relating to ...

Indonesia's mining ministry has identified 18 projects, valued at \$38.6bn, aimed at developing the nation's natural resources.

Indonesia also plans to increase its fuel storage capacity and build a refinery with capacity of 500,000 barrels per day to ensure energy security, Bahlil said. Investment for the ...

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Over the past three years, there have been many developments affecting Indonesia's mining industry. The COVID-19 pandemic, global energy crisis, ...

Indonesia's coal phase-out requires boosting renewables to 65% by 2040, integrating battery storage, and retiring 3 GW of coal annually.

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Here, technological fixes such as carbon capture and storage are expected to help reduce the most harmful impacts of coal, despite the relative high cost of such technologies compared to ...

Indonesia added 1.9 gigawatts of new coal capacity in 2024, the third-highest globally, mainly to power metal smelters supporting the electric ...

CREA and Global Energy Monitor 's latest report on Indonesia's captive coal capacity following their 2023 report, finds that sizable growth in ...

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The analysis reveals that 13GW of the current captive power projects comprised 32% of 2023's coal-fired capacity. It is estimated that when ...

The revival of coal gasification projects has signaled a step back in Indonesia's commitment in its energy transition pledge to phase out its use of ...

IKI JET and its JET-CR Platform aim to support and accelerate just energy transitions away from coal to renewable energies and other sustainable economic activities in Colombia, Chile, ...

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According to foreign media reports, Indonesia's Ministry of Energy and Mineral Resources (ESDM) is actively seeking to increase investment in the country's underground ...

The proposed Project will support Indonesia's energy transition and decarbonization goal by developing a first large-scale pumped storage (PS) hydropower, ...



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