

# Indonesia Energy Crisis Data Center



## Overview

As of October 2025, two data centers are operational, three are under construction, and eight more are announced. CO, Jakarta - Researcher at the Institute for Essential Services Reform (IESR), Deon Arinaldo, argues that Indonesia has the potential to become the hub for data center development utilizing renewable, geothermal in particular. But this is hindered by regulations and the high cost of initial. Asia Pacific captures around 30% of global data centre1 capacity and is expected to grow at a compound annual growth rate (CAGR) of 21% from 2024 to 2028. This momentum is being fuelled by surging demand for cloud-based services across industries, the rollout of 5G networks and the accelerating. Cloud regions are expanding, AI inference is moving nearer to users, fintech and e-commerce keep scaling. Demand for data centers is growing fast Enterprises are shifting the work that really matters into the. According to Hendra Suryakusuma, Chairman of Indonesia Data Center Provider Organization (IDPRO), the lack of access to renewable energy sources, cost, and lack of governmental commitment are among the key reasons for the sluggish transition to green data centers in Indonesia. Lack of Access. Ensuring water supply has become a pressing challenge for Indonesia's rapidly growing data center sector.

## Article Content

By 2024, The Energy Capacity of Indonesia's Data Centers Predicted

Indonesia's data centers are poised for substantial expansion, according to the Indonesian Data Center Association (IDPRO). Predictions indicate that by 2024, the energy capacity

Powering data center growth: Indonesia's future energy

Indonesia is a key data center growth market on the world stage and as the largest population and economy in the booming South East Asia region,

Emerging Indonesian Data Center Market and Energy Efficiency ...

This report assesses the Indonesian data center industry in terms of energy use, energy saving potential, market trends, growth opportunities, and major challenges.

Data Center Power Crisis 2026: The Grid Bottleneck

In 2026, the data center power crisis peaks. Grid scarcity, not hardware, is the top supply chain risk. Discover the winning strategies to secure power now.

THE EMERGING INDONESIAN DATA CENTER MARKET AND ENERGY

As in other countries with emerging data center industries, decision makers in Indonesia managing government data centers often may not have the latest knowledge of available technologies, time, or

Challenges and Opportunities in Implementing Green Data Centers in ...

The high energy consumption of data centers (DCs) has become a global issue that needs to be addressed, and as a result, their development of green rating systems (GBRSs) has

INDONESIA ENERGY SECTOR ASSESSMENT, STRATEGY, AND

I Sector Assessment: Context and Strategic Issues Introduction This energy sector assessment, strategy, and road map (ASR) updates the state of the energy sector in the Republic of Indonesia

Business Standard

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Powering Indonesia's Data Centers: Batteries or Nuclear?

However, given the rapid growth of AI-driven data centers, the country may need to reconsider its stance on nuclear energy. If Indonesia is

Indonesia's Data-Center Boom Meets an Energy Reality

With demand growth comes an energy surge More computing means more megawatts. As data center demand rises, the shape of consumption

Meeting the energy challenge posed by data centres is

In other words, to ensure that renewable energy remains viable, the discourse about energy transition must include a focus on highlighting, regulating

Challenges and Opportunities in Implementing Green Data Centers in ...

This article aims to explore the challenges and opportunities of implementing green data centres in Indonesia, focusing on regulatory influences, technological advancements, financial

Powering possibility: Closing the clean energy for asia pacific data ...

With data centre energy consumption expected to grow significantly, renewable energy alone is unlikely to close the supply-demand gap. This opens up opportunities for clean, alternative energy providers

Power Supply Challenges and Innovative Solutions for Data Centers

With an unprecedented growth in power demand for data centers, power availability has become a major bottleneck. The 2025 Data Center Power Report highlights how data center leaders

Challenges faced by Indonesia's data centers in

Java is where most data centers operate so there should be efforts to make it more accessible," said Hendra. Indonesia has more potential solar

Indonesia's Data-Center Boom Meets an Energy Reality

As of October 2025, two data centers are operational, three are under construction, and eight more are announced. On current trajectories, as live sites ramp toward

Challenges faced by Indonesia's data centers in

According to Hendra Suryakusuma, Chairman of Indonesia Data Center Provider Organization (IDPRO), the lack of access to renewable energy

IESR: Indonesia Has Potentials to Be Data Center Hub

A study by CSIS, the Indonesian Solar Energy Association (AESI), Tenggara Strategics, UMBRA, and Prasetiya Mulya University identified the five

Energy Emergency Response of Indonesia's

Rapid increase in economic growth and population in the region has created potential challenges in terms of energy security and sustainability. International Energy Agency (IEA) has an emergency

Power Supply Challenges and Innovative Solutions for Data Centers

The data center landscape in Indonesia is undergoing a significant transformation, driven by increasing power demand and the need for more adaptive solutions. With growing power

Data Centers, Energy, and the Emerging Market

Data centers are expanding rapidly in emerging markets, raising urgent questions about energy, equity, and sustainability.

From Challenges to Solutions: Building Indonesia's

In collaboration with organizations such as the Indonesia Data Center Association (IDPRO) and the Indonesia Energy Conservation and Efficiency Society

Insights | BloombergNEF

Insights Access the latest perspectives on the energy transition from BNEF experts through our comprehensive range of research reports and analysis, each

Data Center Boom Meets Energy Limits As Denmark Halts New

Denmark's data center freeze shows artificial intelligence's soaring power demands are reshaping global energy policy.

Indonesia's Renewable Energy Push for Data Centers:

The Growing Need for Green Data Centers Indonesia's digital transformation is accelerating, with data centers playing a crucial role in

Indonesia's data center water crisis: How can operators address rising ...

Unlock the full article to explore three key takeaways: Hyperscale data centers consume 1-5 million liters of water daily; Indonesia's climate makes cooling far more water-intensive. Most

Coal vs. Clean Energy: The Future of Indonesia's Data

The future of Indonesia's data centers depends on innovative solutions that bridge the gap between coal and clean energy. While the transition

Limited renewable energy supply slows investment in Indonesia's

Limited renewable energy supply hinders investment in green data centers in Indonesia, as developers seek clean power and infrastructure for expansion.

## Contact Us

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