

Suriname s new uninterruptible power supply plant





Overview

PowerChina is building three hybrid solar microgrids in Suriname, combining solar panels, energy storage, and diesel backup to power 25 remote villages across the country. How much electricity does Suriname generate?

Suriname is navigating a challenging phase in its energy transition. As of 2024, approximately 48% of the country's electricity was generated from hydropower (754.5 GWh), with the remainder supplied by heavy fuel oil-based power plants.

Is Suriname navigating its institutional and operational capacity in energy reforms?

Despite progress, Suriname is navigating its institutional and operational capacity in the reforms. Progress is being made, and Suriname launched its Electricity Sector Plan (ESP) 2025–2044 on May 15th, 2025. The NDC sets an unconditional target to achieve over 35% renewable energy in the national energy mix by 2030.

What is the electricity system upgrade & expansion project in Suriname?

The Electricity System Upgrade and Expansion Project in Suriname is an initiative by the Caribbean Development Bank (CDB) and the government of Suriname. Its objective is to deliver a more reliable, efficient and sustainable electricity supply in Suriname.

What is the energy mix in Suriname?

This energy mix highlights both opportunity and urgency: while Suriname benefits from abundant natural resources, it remains significantly reliant on fossil fuels and centralized systems. The national grid of the electricity sector in Suriname is segmented into two main systems: EPAR and ENIC, along with a series of smaller interior grids.



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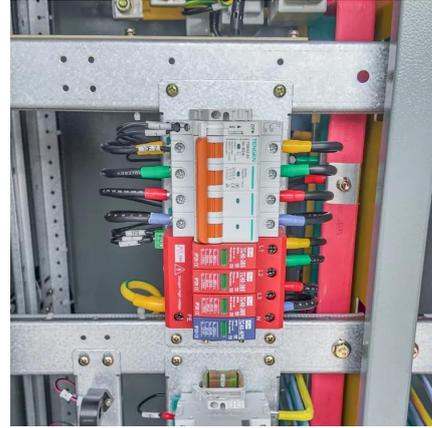


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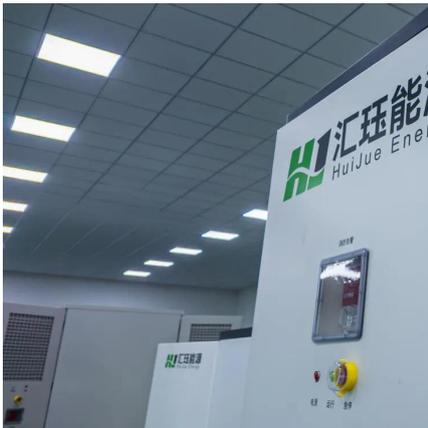
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