

# Indonesia flexible direct current including wind solar storage and transmission



## Overview

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This paper examines the optimal integration of renewable energy (RE) sources, energy storage technologies, and linking Indonesia's islands with a high-capacity transmission "super grid", utilizing the PLEXOS 10 R. 02 simulation tool to achieve the country's goal of 100% RE by 2060.

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### Indonesia Maps & Facts

Covering an area of 1,904,569 sq. km, Indonesia comprises over 17,504 islands and is by far the largest and the most varied archipelago on Earth. Located on the north-western coast of

### Powering Indonesia's future: Key takeaways from the

The RUPTL serves as a roadmap shaping Indonesia's electricity sector over the next decade has targeting 69.5 gigawatts (GW) of new power



### [Grid code requirements for the integration of renewable energy](#)

To achieve 100% energy availability in Indonesia from renewable sources, integrated solutions are needed, including growing solar, wind, hydro, and biomass projects; enhancing energy

### Indonesian Technology Catalogue 2024

Each technology is described by a separate technology sheet, following the format explained below. For the storage technologies and the CCS technologies, there are differences for some of the items in



### 15 things to know before you go to Indonesia

Indonesia is blessed with a rich history, culture and cuisine, and fabulous scenery. Here are the top things you need to know before you visit.

## Indonesia

Indonesia is the largest economy in Southeast Asia and one of the emerging market economies in the world. The country is in transition from an agricultural economy based on the export of raw materials



### [Indonesia's 2025-2034 Electricity Supply Plan \(RUPTL\)](#)

The plan targets adding roughly 70-71 GW of new generation capacity by 2034, of which 70%-76% is from renewable energy (RE) sources

## Indonesia Travel Guide (Updated 2026)

A comprehensive budget travel guide to Indonesia with tips on things to do, costs, ways to save, accommodation, transportation, and more.



### Accelerating renewables investment in Indonesia:

In this policy report, we outline how, with the right structure and incentives, PLN can lease its transmission lines to private sellers and buyers.

## Indonesia country profile

Provides an overview of Indonesia, including key dates and facts about this South East Asian state.



### Optimal Integration of Renewable Energy, Energy

This paper examines the optimal integration of renewable energy (RE) sources, energy storage technologies, and linking Indonesia's islands with

[Indonesia Map , Detailed Maps of Republic of Indonesia](#)

Indonesia is a sovereign state in Southeast Asia and Oceania, comprising 17,508 islands. The country spans 1,904,569 square kilometers (735,358 square miles), making it the world's largest archipelagic



[Indonesia , Indonesia , Today's latest from Al Jazeera](#)

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#### Where is Indonesia? Culture, Facts & Travel

Discover Indonesia. Explore Indonesia facts, culture, history & comprehensive country profile with maps, statistics & research resources for students & travelers.



[Indonesia , History, Flag, Map, Capital, Language, Religion, & Facts](#)

This geographical and historical treatment of Indonesia includes maps and statistics as well as a survey of the country's people, economy, and government.

[Indonesia's expansion of clean power can spur growth and equality](#)

To accommodate the intermittent characteristics of variable renewable energy (solar and wind), PLN will build an end-to-end smart grid infrastructure and flexible generation to enable large



**Full Summary of Indonesia's RUPTL 2025-2034**



## Indonesia

Comprising over 17,000 islands, including Sumatra, Java, Sulawesi, and parts of Borneo and New Guinea, Indonesia is the world's largest archipelagic state and the 14th-largest country by area, at



[Indonesia's new power development plan: Highlights from the](#)

Substantial development of new transmission and grid infrastructure including a massive surge in interconnectors between main islands to address the known mismatch between renewable

## Indonesia's Power Future: PLN's RUPTL 2025-2034

RUPTL 2025-2034 enables Indonesia to achieve energy system transformation through coordinated generation and transmission planning that



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