

# Indonesia grid modernization



IP65/IP55 OUTDOOR CABINET

ALUMINUM

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## Overview

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WASHINGTON, DC, Septem- The World Bank today approved the Indonesia Electricity Network Transformation (I-ENET) Program, a US\$500 million operation to help Indonesia modernize its electricity distribution system in the Java, Madura, and Bali regions. The Program will support. Indonesia secures significant World Bank funding to upgrade its electricity grid, enabling greater renewable energy integration and supporting its net-zero goals. The current investment level is expected to double to reach an average of USD 7 billion per year in 2030-2035. Daniel K. Tampubolon, EVP of New and Renewable Energy, PT PLN (Persero), delivers his keynote speech at IGC 2025, followed by a certificate presentation with Desti Alkano, Ph., Founder & Executive Director of ECADIN; Dr. Retno Gumilang Dewi, Center for Research on Energy Policy, ITB (Session. The integration of renewable energy sources, such as solar and wind, into the national grid is pushing for advanced grid solutions to manage variability and ensure stable supply. Additionally, the adoption of smart grid technologies, including automation, digitalization, and real-time monitoring.

## Indonesia grid modernization

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### 'Smart grid' helps accelerate energy transition in Indonesia

With support from the United Nations, the electricity grid on the central islands of Java, Madura, and Bali - home to over 160 million people - is now being upgraded and modernized to

### World Bank Approves \$500M Program to Modernize Indonesia's

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The World Bank has approved the Indonesia Electricity Network Transformation (I-ENET) Program, a US\$500 million initiative to modernize and digitalize the country's electricity ...



### New World Bank Support to Help Indonesia Transform Its Electricity

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The World Bank provides broad support for Indonesia's energy transition, including investments in renewable energy generation, grid modernization, last-mile electrification, and policy reforms.



## Indonesia Modernizes Grid for Renewables with World Bank Support

Indonesia has launched a major grid transformation initiative, backed by a US\$500 million World Bank program, to modernize its electricity distribution system across Java, Madura, and Bali.



**5 Years warranty**



## Smart grid accelerates Indonesia's energy transition

Discover how Indonesia's smart grid is transforming energy use. Join the revolution and explore its impact on the future!

## Power System Transformation Series: Advancing Grid ...

The series featured five key technical sessions designed to support Indonesia's grid modernization and clean energy transition efforts.



## Optimizing Indonesia's Electricity Grid to Accelerate Renewable ...

Daniel K. F. Tampubolon shares insights on accelerating Indonesia's energy transition, focusing on robust grid infrastructure, renewable energy



deployment, and investment opportunities ...

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## Grids in Indonesia: Developing a revenue model aligned with future

Indonesia has made significant progress in advancing development of its transmission and distribution system, primarily through DFI financing support and public finance.



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## Indonesia Grid Modernization Market Size, Growth & Forecast 2032

The rapid advancement of smart grid technologies presents another opportunity in Indonesia's grid modernization market. The demand for improved grid management, real-time monitoring, and ...

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## World Bank Approves \$500M Program to Modernize Indonesia's Power Grid

The World Bank has approved the Indonesia Electricity Network Transformation (I-ENET) Program, a US\$500 million initiative to modernize and digitalize the country's electricity ...



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