Which energy projects are registered on the Indonesia energy transition channel?

The interactive map below highlights key energy projects registered on the Indonesia Energy Transition (IET) Channel. Wind turbines have several advantages as an environmentally friendly renewable energy solution with great potential to support Indonesia's energy needs.

How can Indonesia accelerate its energy transition?

It recommends that Indonesia accelerate its energy transition by building energy policies based on renewable energy developmentto drive economic growth and job creation. A move that needs to be supported by a predictable long-term energy plan prioritising clean energy investments consistent with national and regional energy policies.

What is the Indonesia energy transition outlook?

A collaboration between the International Renewable Energy Agency (IRENA) and the Indonesian Ministry of Energy and Mineral Resources, the Indonesia Energy Transition Outlook builds upon IRENA's recent outlook for ASEAN and charts a decarbonisation highway for Indonesia to 2050and aligns the country to the Paris Climate goals.

How has Indonesia improved its energy system?

To expand and modernize its grid, Indonesia has been adding thousands of kilometers of transmission lines and new transformer capacity. It has also been developing interconnections between different islands to improve energy distribution and reliability and to alleviate strain on existing island power systems.

Is a net-zero power sector possible in Indonesia?

These resources mean that a net-zero power sector in Indonesia is theoretically possible, with more than 1.1 terawatts (TW) of total renewable energy potential. This presents a huge opportunity for Indonesia (Exhibit 3). The Indonesian government has laid out targets for renewable energy.

How can Indonesia achieve energy savings from the EWS?

In transport, developing fuel economy and infrastructure for electric vehicleswould be key to obtaining the energy savings from the EWS. It is also key to ensuring energy security given Indonesia's shift to being a net

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oil importer in 2004.



INDONESIA EFFECTIVE ENERGY





<complex-block>

Indonesia, as the largest energy consumer in South-East Asia 84 and a source of rising energy demand, holds the key to effective energy transition in the region and ranks 55 out of 120 countries on the ETI 2023. The country has improved its ETI score by almost 14% since 2014, with the biggest improvement in transition readiness (55%), supported



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The role that increased interconnection among Indonesia's main islands could play in the long term is addressed in IEA's upcoming Energy Sector Roadmap to Net Zero Emissions in Indonesia. A key barrier to accommodating variable renewables in the Indonesian power system is contractual inflexibility.

Wind turbines have several advantages as an environmentally friendly renewable energy solution with great potential to support Indonesia's energy needs. By harnessing abundant wind resources, especially in coastal and highland areas, these turbines provide a sustainable power source.





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policies and energy transition goals. Indonesia is lagging behind peers in Variable Renewable Energy deployment and has yet to adopt standards of automation and digitalization. Despite some progress, the grid quality stays low with poor reliability. Coal and fuel subsidies as well as renewable energy pricing distortions