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Saudi Arabia is developing wind power generation systems



Overview

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Saudi Arabia is accelerating its clean energy ambitions, aiming to install between 100 GW and 130 GW of solar PV capacity by 2030, a significant leap from its earlier target of 58.7 GW. The National Renewable Energy Program (NREP), led by the Ministry of Energy, is the backbone of this transition.

In the presence of Prince Abdulaziz bin Salman bin Abdulaziz Al Saud, Minister of Energy and Chairman of the Board of Directors of the Saudi Power Procurement Company (Principal Buyer), a new project for electricity generation from wind energy and four new projects for electricity generation from.

Principal Buyer Awards Five Renewable Energy Projects with a Total Capacity of 4,500 Megawatts, Al-Dawadmi Sets a New Global Record in Wind Energy, and Najran Ranks Second Worldwide in Solar Energy Riyadh, October 27, 2025, SPA -- In the presence of Prince Abdulaziz bin Salman bin Abdulaziz Al.

Saudi Arabia is rapidly scaling up renewables as it works to reduce domestic carbon dioxide emissions, free up more oil, power new industries, and secure a role in the global energy transition. Saudi Arabia's first wind farm, Dumat Al Jandal Wind Farm, November 2023. (Credit: Charles Phillips).

Saudi Arabia launched Vision 2030 in 2016, which aims to diversify the economy and reduce dependence on oil revenues. One key component of Vision 2030 is to source at least 50 percent of its power from renewable energy by 2030, expand its capacity to 130 gigawatts (GW), 58.7 GW of which

is expected.

ACWA Power, Badeel (a wholly owned company of the Public Investment Fund - PIF), and Saudi Aramco Power Company (SAPCO) have signed power purchase agreements (PPAs) with the Saudi Power Procurement Company (SPPC) to develop seven renewable energy projects across Saudi Arabia. The projects include.

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