

Elang wind power generation in Morocco



Overview

This paper presents an analysis of wind and solar energy production in three different locations in Morocco: Midelt, Dakhla, and Laayoune. Rabat, The Gulf Observer: Wind energy is emerging as the driving force behind Morocco's electricity mix, pushing renewable power generation to record levels and steadily reducing dependence on fossil fuels, according to the latest annual report by the National Electricity Regulatory Authority. Total primary energy consumption has increased by about five percent per year since 2004, but Morocco plans to decrease energy consumption by 15 percent from 2016 levels by 2030 through energy efficiency measures. According to the National Electricity Regulatory Authority (ANRE), Morocco's. Morocco has a significant wind energy potential due to its favorable climate proximity to the Atlantic Ocean, and temperature conditions. The governments recognize the importance of transitioning to sustainable energy sources and have taken strategic steps to promote the renewable energy. By the end of 2024, the country's wind energy capacity reached 2,390 MW, up 18.5% from the previous year, representing 20% of total installed electricity capacity. Renewables have played an increasingly important role in Morocco's energy sector.

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