

Who makes Nordex wind turbines?

As one of the world's largest wind turbine manufacturers, the Nordex Group offers high-yield, cost-efficient wind turbines that enable long-term and economical power generation from wind energy in all geographical and climatic conditions. With the Delta4000 platform, the Nordex Group relies on tried-and-tested series-production technology.

How to evaluate wind energy potential in Uzbekistan?

Assessment of the wind energy potential of 17 different regions in Uzbekistan. Evaluating the annual power density, energy density and capacity factor. Comparing 15 different wind turbines to infer the best option for implementation. Evaluating the LCOE as the economic feasibility metric indicator.

What happened to Nordex?

Nordex is the second German wind OEM to suffer a cyberattack since Russia's war on Ukraine began. Privately-held premium manufacturer Enercon was hit by a cyberattack at the start of the Russian invasion, which cut remote service links to almost 6,000 wind turbines in central Europe.

Which are the best sites for wind energy development in Uzbekistan?

It is observed that Nukus, Kungrad, Ak Bajtal, and Buhara are the best sites for wind energy development in Uzbekistan. The study is expected to aid policymakers, designers and investors in decision-making regarding the development and deployment of wind energy technology as a future power source in the country.

1. Introduction

How to invest in energy projects in Uzbekistan?

In order to invest in any energy project, the LCOE of the project should be compatible with the electricity tariff of the country. Uzbekistan is among the cheapest countries in terms of the electricity price 0.03 USD/kWh ( Global Petrol Prices ).

Did Nordex have a cyber security incident?

IT security at Nordex last week detected that the wind turbine manufacturer was subject to a "cyber security incident".

These companies are closely followed by four European and American firms: Enercon, Nordex, General Electric and Senvion. To date, Chinese firms, leaders in the largest market (China), are in general unable to internationalize as effectively as ...

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The key purpose of the Company is to carry out construction, operation and maintenance activities in future. The commercial operation date is expected in 2026. The electricity produced will be sold to Uzbek state-owned power company JSC National Electricity Grid of Uzbekistan for a duration of 25 years.

Thus after Enercon's financial difficulties, German manufacturer Nordex has been able to develop into a robust fourth competitor on global markets excluding China. There are also opportunities in terms of green recovery after the corona pandemic if governments will continue to promote the expansion of renewable energies.

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This present paper aims to assess the wind energy potential of 17 different regions in Uzbekistan for the very first time using technical and economic feasibility metric indicators. While the utilized technical indicators are annual power density, energy density and capacity factor, LCOE is adopted as an economic metric indicator.

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