Netherlands Wind Energy Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The Netherlands is working on a transition to a sustainable, reliable, and affordable energy supply. The Netherlands wind energy market is expected to grow at a CAGR of more than 9.5% during the forecast period 2020-2025. The market is expected to witness significant growth due to rising energy demand coupled with the efforts to reduce the dependence on international energy suppliers and fossil fuels. Wind energy in the Netherlands powers about 5.7 million homes and also cuts the CO2 footprint of electricity by 12%. Factors like increasing demand for renewable energy, rising investments in wind farms, and reducing CO2 emissions are driving the wind energy market in the country. However, the increasing adoption of alternate clean power sources such as solar energy is likely to hinder the growth of the wind energy market in the coming years.

Key Highlights
Offshore wind is expected to witness significant growth in the wind energy market in the Netherlands during the forecast period. The Netherlands has a highly ambitious renewable-energy plan in the works. The country is expected to build the world's largest offshore wind farm by 2027, along with a 2.3-square-mile artificial island to support it. The wind farm is expected to be capable of producing 30 GW of power, which in turn, is likely to provide an opportunity to a growth in the deployment of wind energy in coming future.

Netherlands Wind Energy Market Trends

Offshore Wind Energy is Expected to Witness Significant Growth

In the Netherlands, wind energy is a key source of renewable energy, which the country depends on to achieve a clean energy goal. The Netherlands is making strides toward the country's renewable energy targets i.e., 16% renewable energy sources (RES) by 2023 of total energy demand.
The conditions for offshore wind energy in the Netherlands are excellent. The factors like relatively shallow waters, good wind resources, good harbor facilities, experienced industry, and a robust support system are driving the offshore wind energy market.
The active offshore wind farms in the North Sea are Gemini (600 MW), Luchterduinen (129 MW), Prinses Amalia (120 MW), and Egmond aan Zee (OWEZ) (108 MW).
Offshore wind farms which are under construction are built at a number of locations in the Dutch part of the North Sea and they are Borssele Wind Farm Zone Sites I and II, Borssele Wind Farm Zone Sites III and IV, Hollandse Kust (zuid) Wind Farm Zone Sites I and II, Borssele Wind Farm Zone Innovation Site V, and Hollandse Kust (zuid) Wind Farm Zone Sites III and IV.
The upcoming offshore wind farm zones for the deployment of the 3,500 MW new offshore wind capacity in Netherlands are Borssele (1,400 MW), South Holland coast wind farm zone (1,400 MW) and North Holland coast wind farm zone (700 MW).
Netherlands holds 4463 MW of wind energy installed in 2019 and the wind-generated electricity in Netherlands accounted for 10.5 TWh in 2018. As demand for energy is rising, Netherland is turning toward the adoption of renewable energy for sustainable and clean form of energy. The adoption of offshore wind energy along with higher wind potential and energy demand attracts the companies for high investment.
By location of deployment, the offshore wing energy is expected to have significant growth in the market during the forecast period, owing to declining cost, and undergoing and upcoming offshore wind farm projects.

Increasing Deployment of Solar Energy is likely to Hinder the Growth of the Market

The Netherlands has a long tradition of using sustainable energy and continues to be a leading innovator in this field. Solar energy is fast gaining ground in the Netherlands.
At the end of 2018, solar PV based electricity generation has reached 3.2 TWh from 2.2 TWh in 2017 with a growth rate of 45% by the usage of the country's abundant solar resources with newer technology.
The major driving factor in the Netherlands solar PV market has been the innovation of new techniques such as floating PV with bi-facial crystalline Silicon and layered solar systems that results in more efficiency.
The Netherlands solar PV covers the national energy demand with an installed capacity of 6725 MW in 2019. Hence, the solar energy installation is ought to increase during the forecast period and is likely to hinder the market studied.

Netherlands Wind Energy Market Competitor Analysis

The Netherlands wind energy market is moderately consolidated. Some of the key players in this market include Enercon GmbH, Siemens Gamesa Renewable Energy SA, Mitsubishi Corp, General Electric Company, and Lagerwey Wind BV.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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