

# **Global Onshore Wind Turbine Market Size study & forecast, by Capacity (Less than 1MW, 1MW to 3MW, more than 3MW) by Technology (Electrically Excited Synchronous Generator, Permanent Magnet Synchronous Generator) and Regional Analysis, 2022-2029**

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## **Abstracts**

Global Onshore Wind Turbine Market is valued at approximately USD XXX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. An onshore wind turbine is a type of wind energy generator that is erected on land, as opposed to offshore wind turbines which are in bodies of water such as oceans or lakes. The onshore wind turbine consists of a tall tower with a rotor on top that has two or three blades. The rotor blades spin when the wind blows and generate electricity through a generator connected to the turbine's rotor. The onshore wind turbines are typically installed in areas with high wind speeds such as open plains, mountain ridges, or coastlines. The size of an onshore wind turbine can vary, with some larger turbines capable of generating several megawatts of electricity. The key factor driving the market growth is a cohesive government initiative for the development of renewable energy, also rising investment in the development of onshore wind farm projects is anticipated to support the market growth during the forecast period.

Moreover, the rising investment in the development of onshore wind farm projects is driving the growth of the Onshore Wind Turbine Market, as demand for renewable energy sources continues to increase, and supportive government policies and regulations encourage the transition to clean energy. For instance, In July 2022, A new onshore wind farm will be constructed in Sweden. To run the K?lvallen project, the multi-

energy companies Siemens Gamesa, Arise, and Foresight will collaborate. The Siemens Gamesa 5.X onshore platform will be used at the park. The park's overall generating capacity is anticipated to be 277 MW. The facilities will have one SG 6.6-155 unit and 41 SG 6.6-170 turbines. The participants in the initiative are also connected by a 35-year service agreement. Additionally, rising technological advancement in onshore wind turbines and growing public-private investments in renewable sources of energy that anticipated to create a lucrative opportunity for the market during the forecast period. However, the area's dependency on wind power plants stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Onshore Wind Turbine Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the dominating region across the world in terms of market share, owing to the presence of key market players and supportive government initiatives for the development of onshore wind turbines. Whereas, Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period, owing to factors such as rising public-private investments in onshore wind farms, and growing demand for the renewable energy source in the region would create lucrative growth prospects for the Onshore Wind Turbine market across Asia Pacific region.

Major market player included in this report are:

Avantis Energy Group  
Godecke Energy  
Siemens Wind Power A/S  
Emergya Wind Technologies B.V  
GE Energy Infrastructure  
Northern Power Systems, Inc  
Goldwind Science & Technology Co. Ltd  
Leitwind AG  
M. Torres Olvega Industrial, S.A.  
ReGen Powertech Pvt. Ltd

Recent Developments in the Market:

In April 2021, For CleanMax's onshore wind hybrid projects, totaling 110 MW in India, GE Renewable Energy announced the supply of 42 units of 2.7 - 132 onshore wind turbines. Three projects with a combined 110 MW would help Gujarat and Karnataka's industrial sectors meet their demand for electricity.

Global Onshore Wind Turbine Market Report Scope:

*Global Onshore Wind Turbine Market Size study & forecast, by Capacity (Less than 1MW, 1MW to 3MW, more than 3M...*

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Capacity, Technology, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Capacity:

Less than 1MW

1MW to 3MW

More than 3MW

By Technology:

Electrically Excited Synchronous Generator

Permanent Magnet Synchronous Generator

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific  
China  
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RoLA  
Rest of the World

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