

Floating Wind Turbine Market – Global Industry Size, Share, Trends, Opportunity, and Forecast. 2018-2028F Segmented By Foundation (Spar-buoy Foundation, Tension-leg platform (TLP) Foundation, Semi-submersible Foundation and Others), By Capacity (Up to 1 MW, 1-3 MW, 3-5 MW and Above 5MW), By Depth (Shallow Water, Deep Water), By Region and Competition

<https://marketpublishers.com/r/F2270DCEA3F7EN.html>

Date: October 2023

Pages: 186

Price: US\$ 4,900.00 (Single User License)

ID: F2270DCEA3F7EN

Abstracts

Global Floating Wind Turbine Market is expected to grow at a robust pace in the forecast period 2024-2028, owing to the significant increase in demand for renewable energy sources. Floating Wind Turbines are also affordable and have lower carbon emissions. Additionally, the floating wind turbine technology does away with the water depth restrictions, making it easier to choose the ideal location for power generation. These factors are expected to drive the global floating wind turbine market.

Floating Wind Turbine is a source of clean, renewable energy source that is acquired by harnessing the force of wind offshore, where the absence of impediments allows the wind to travel at a higher and more steady speed. It is one of the renewable sources that would be essential to the decarbonization process due to its great potential and strategic added value on both a socioeconomic and environmental level.

Offshore floating wind offers new possibilities and alternatives because it relies on floating rather than permanent structures. The potential minimal environmental effect and ease of production and installation of floating offshore wind are two benefits. The floating turbines and platforms can be produced and installed on land and then towed to

the offshore installation location. Additionally, they can benefit from the powerful winds that are blowing in the deeper regions, which increases energy efficiency.

Increasing Shift Towards Clean Energy Generation to drive the Global Floating Wind Turbine Market

The use of renewable energy sources is a response by emerging and impoverished nations to rising carbon emissions caused by increased power demand. The development of wind farms is a result of the greater dominance of renewable energy sources like solar and wind in lowering carbon emissions. Offshore wind farms now exist as a result of advancement and technical research. Therefore, the market for floating wind farms has been driven by renewable energy sources.

Moreover, according to the International Renewable Energy Agency (IRENA), renewable energy sources would provide 90% of the world's electricity by 2050. Additionally, more than 80% of the energy produced worldwide is still derived from fossil fuels, although cleaner energy sources are gaining popularity. According to the International Energy Agency (IEA), till 2022, renewable energy sources accounted for about 29% of electricity. Moreover, consumer demand for carbon-neutral electricity has sparked technological advancement and a solid supply chain as the energy vision for the future. The above factors are expected to boost the global floating wind turbine market.

Operative Advantage of Floating Wind over Fixed Offshore Structure is Driving the Growth of Global Floating Wind Turbine Market

Unlike onshore wind farms, floating wind farms don't require land for installation. Bird deaths are decreased by floating turbines, as they may more readily avoid migratory flight lines and breeding and feeding sites. Desalination of seawater, decarbonizing energy-intensive extraction sectors, and electrolysis to produce clean hydrogen fuel, are a few examples of fuel, added to maintain environmental balance. With the highest wind flow, floating wind farms can resist challenging meteorological conditions, thus driving the growth of global floating wind turbine market.

Rise in Demand for Electricity Consumption is Expected to Drive the Global Floating Wind Turbine Market

The demand for electricity has tremendously increased in recent years. Advancements in technology have led to the introduction of electronic products for domestic and

commercial purposes that need electricity. Moreover, increase in per capita disposable income and spending abilities of consumers boost the sales of electronic devices such as refrigerators, televisions, and air conditioners. Furthermore, the increase in modernization coupled with growth of the construction industry and evolution of prosperous societies & residential buildings, have fueled the demand for power since the past few years. Development of commercial sector, including schools, hospitals, retail & grocery stores, office buildings, along with the rise in number of industrial deployments, has further fueled the demand for electricity. The demand for an efficient electricity supply has increased due to these factors. Thus, governments of various countries have focused on producing electricity from renewable sources, which, in turn, is expected to propel the demand for floating wind turbines. Increase in electricity production and consumption is further expected to increase in future due to rapid development in emerging economies. Thus, the impact of the above factors on the overall market is expected to drive the global floating wind turbine market during the forecast period.

High Capital Investments are Expected to Hinder the Growth of Global Floating Wind Turbine Market

The market growth of floating wind power may be constrained by large initial expenditure factor. Power cables that transport electricity back onshore must be installed and maintained, which can be expensive. In water deeper than 200 feet (60m), it is challenging to build a strong and secure wind farm. These issues are beginning to be solved by floating wind turbines. Moreover, wind turbines can sustain damage from wave action, strong storms, and hurricanes. The initial expense of pre-development of wind farms, legal approval, technical considerations, engineering activities, and comparable other criteria serve as further roadblocks to the development of floating wind turbines.

Thus, above factors are expected to cause hindrance to the growth of global floating wind turbine market.

Market Segmentation

The Global Floating Wind Turbine Market is segmented based on foundation, capacity, depth, and region. Based on foundation, the market is divided into spar-buoy foundation, tension-leg platform (tlp) foundation, semi-submersible foundation, and others. Based on capacity, the market is fragmented into up to 1 mw, 1-3 mw, 3-5 mw, and above 5mw. Based on depth, the market is divided into shallow water, and deep

water. Based on region, the market is further segmented into North America, Asia-Pacific, Europe, South America, and Middle East & Africa.

Market players

The main market players in the Global Floating Wind Turbine Market are Siemens Gamesa Renewable Energy S.A., MHI Vestas Offshore Wind A/S, ABB Group, General Electric Company (GE), Nordex SE, Goldwind Science & Technology Co., Ltd, Envision Energy Ltd, Ming Yang Smart Energy Group Co., Ltd., Hitachi Group, Suzlon Energy Ltd.

Report Scope:

In this report, Global Floating Wind Turbine Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Floating Wind Turbine Market, By Foundation:

Spar-buoy Foundation

Tension-Leg Platform (TLP) Foundation

Semi-Submersible Foundation

Others

Floating Wind Turbine Market, By Capacity:

Up to 1 MW

1-3 MW

3-5 MW

Above 5MW

Floating Wind Turbine Market, By Depth:

Shallow Water

Deep Water

Floating Wind Turbine Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

India

Japan

South Korea

Australia

China

Europe

Germany

United Kingdom

France

Italy

Spain

South America

Brazil

Argentina

Colombia

Middle East

Saudi Arabia

South Africa

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Floating Wind Turbine Market.

Available Customizations:

Global Floating Wind Turbine Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to ten).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Baseline Methodology
- 2.2. Key Industry Partners
- 2.3. Major Association and Secondary Sources
- 2.4. Forecasting Methodology
- 2.5. Data Triangulation & Validation
- 2.6. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMERS

5. GLOBAL FLOATING WIND TURBINE MARKET

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Foundation (Spar-buoy Foundation, Tension-leg platform (TLP) Foundation, Semi-submersible Foundation and Others)
 - 5.2.2. By Capacity (Up to 1 MW, 1-3 MW, 3-5 MW and Above 5MW)
 - 5.2.3. By Depth (Shallow Water, Deep Water)
 - 5.2.4. By Region
- 5.3. By Company (2022)
- 5.4. Market Map

6. NORTH AMERICA FLOATING WIND TURBINE MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Foundation

6.2.2. By Capacity

6.2.3. By Depth

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Floating Wind Turbine Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Foundation

6.3.1.2.2. By Capacity

6.3.1.2.3. By Depth

6.3.2. Canada Floating Wind Turbine Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Foundation

6.3.2.2.2. By Capacity

6.3.2.2.3. By Depth

6.3.3. Mexico Floating Wind Turbine Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Foundation

6.3.3.2.2. By Capacity

6.3.3.2.3. By Depth

7. ASIA-PACIFIC FLOATING WIND TURBINE MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Foundation

7.2.2. By Capacity

7.2.3. By Depth

7.2.4. By Country

7.3. Asia-Pacific: Country Analysis

7.3.1. China Floating Wind Turbine Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Foundation

7.3.1.2.2. By Capacity

7.3.1.2.3. By Depth

7.3.2. India Floating Wind Turbine Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Foundation

7.3.2.2.2. By Capacity

7.3.2.2.3. By Depth

7.3.3. Japan Floating Wind Turbine Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Foundation

7.3.3.2.2. By Capacity

7.3.3.2.3. By Depth

7.3.4. South Korea Floating Wind Turbine Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Foundation

7.3.4.2.2. By Capacity

7.3.4.2.3. By Depth

7.3.5. Australia Floating Wind Turbine Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Foundation

7.3.5.2.2. By Capacity

7.3.5.2.3. By Depth

8. EUROPE FLOATING WIND TURBINE MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Foundation
 - 8.2.2. By Capacity
 - 8.2.3. By Depth
 - 8.2.4. By Country
- 8.3. Europe: Country Analysis
 - 8.3.1. Germany Floating Wind Turbine Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Foundation
 - 8.3.1.2.2. By Capacity
 - 8.3.1.2.3. By Depth
 - 8.3.2. United Kingdom Floating Wind Turbine Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Foundation
 - 8.3.2.2.2. By Capacity
 - 8.3.2.2.3. By Depth
 - 8.3.3. France Floating Wind Turbine Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Foundation
 - 8.3.3.2.2. By Capacity
 - 8.3.3.2.3. By Depth
 - 8.3.4. Spain Floating Wind Turbine Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Foundation
 - 8.3.4.2.2. By Capacity
 - 8.3.4.2.3. By Depth
 - 8.3.5. Italy Floating Wind Turbine Market Outlook
 - 8.3.5.1. Market Size & Forecast

- 8.3.5.1.1. By Value
- 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Foundation
 - 8.3.5.2.2. By Capacity
 - 8.3.5.2.3. By Depth

9. SOUTH AMERICA FLOATING WIND TURBINE MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Foundation
 - 9.2.2. By Capacity
 - 9.2.3. By Depth
 - 9.2.4. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Floating Wind Turbine Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Foundation
 - 9.3.1.2.2. By Capacity
 - 9.3.1.2.3. By Depth
 - 9.3.2. Argentina Floating Wind Turbine Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Foundation
 - 9.3.2.2.2. By Capacity
 - 9.3.2.2.3. By Depth
 - 9.3.3. Colombia Floating Wind Turbine Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Foundation
 - 9.3.3.2.2. By Capacity
 - 9.3.3.2.3. By Depth

10. MIDDLE EAST & AFRICA FLOATING WIND TURBINE MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Foundation

10.2.2. By Capacity

10.2.3. By Depth

1.1.1. By Country

1.2. Middle East & Africa: Country Analysis

10.3.1. Saudi Arabia Floating Wind Turbine Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast

10.3.1.2.1. By Foundation

10.3.1.2.2. By Capacity

10.3.1.2.3. By Depth

10.3.2. South Africa Floating Wind Turbine Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Foundation

10.3.2.2.2. By Capacity

10.3.2.2.3. By Depth

10.3.3. UAE Floating Wind Turbine Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Foundation

10.3.3.2.2. By Capacity

10.3.3.2.3. By Depth

11. MARKET DYNAMICS

11.1. Drivers

11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

13. COMPANY PROFILES

13.1. Siemens Gamesa Renewable Energy S.A.

- 13.1.1. Business Overview
- 13.1.2. Key Revenue and Financials
- 13.1.3. Recent Developments
- 13.1.4. Key Personnel
- 13.1.5. Key Product/Services Offered

13.2. MHI Vestas Offshore Wind A/S

- 13.2.1. Business Overview
- 13.2.2. Key Revenue and Financials
- 13.2.3. Recent Developments
- 13.2.4. Key Personnel
- 13.2.5. Key Product/Services Offered

13.3. ABB Group

- 13.3.1. Business Overview
- 13.3.2. Key Revenue and Financials
- 13.3.3. Recent Developments
- 13.3.4. Key Personnel
- 13.3.5. Key Product/Services Offered

13.4. General Electric Company (GE)

- 13.4.1. Business Overview
- 13.4.2. Key Revenue and Financials
- 13.4.3. Recent Developments
- 13.4.4. Key Personnel
- 13.4.5. Key Product/Services Offered

13.5. Nordex SE

- 13.5.1. Business Overview
- 13.5.2. Key Revenue and Financials
- 13.5.3. Recent Developments
- 13.5.4. Key Personnel
- 13.5.5. Key Product/Services Offered

13.6. Goldwind Science & Technology Co., Ltd

- 13.6.1. Business Overview
- 13.6.2. Key Revenue and Financials
- 13.6.3. Recent Developments
- 13.6.4. Key Personnel
- 13.6.5. Key Product/Services Offered

13.7. Envision Energy Ltd

- 13.7.1. Business Overview
- 13.7.2. Key Revenue and Financials
- 13.7.3. Recent Developments
- 13.7.4. Key Personnel
- 13.7.5. Key Product/Services Offered
- 13.8. Ming Yang Smart Energy Group Co., Ltd.
 - 13.8.1. Business Overview
 - 13.8.2. Key Revenue and Financials
 - 13.8.3. Recent Developments
 - 13.8.4. Key Personnel
 - 13.8.5. Key Product/Services Offered
- 13.9. Hitachi Group
 - 13.9.1. Business Overview
 - 13.9.2. Key Revenue and Financials
 - 13.9.3. Recent Developments
 - 13.9.4. Key Personnel
 - 13.9.5. Key Product/Services Offered
- 13.10. Suzlon Energy Ltd.
 - 13.10.1. Business Overview
 - 13.10.2. Key Revenue and Financials
 - 13.10.3. Recent Developments
 - 13.10.4. Key Personnel
 - 13.10.5. Key Product/Services Offered

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

(Note: The companies list can be customized based on the client requirements.)

I would like to order

Product name: Floating Wind Turbine Market – Global Industry Size, Share, Trends, Opportunity, and Forecast. 2018-2028F Segmented By Foundation (Spar-buoy Foundation, Tension-leg platform (TLP) Foundation, Semi-submersible Foundation and Others), By Capacity (Up to 1 MW, 1-3 MW, 3-5 MW and Above 5MW), By Depth (Shallow Water, Deep Water), By Region and Competition

Product link: <https://marketpublishers.com/r/F2270DCEA3F7EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F2270DCEA3F7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970