

# **Renewable Energy Market – Global Industry Size, Share, Trends, Opportunity and Forecast, 2018-2028**

## **By Type (Hydroelectric Power, Wind Power, Bioenergy, Solar Energy, and Geothermal Energy), By End Use Industry (Residential, Commercial {Offices, Hotels & Resort, Hospital, Education, & Others}, Industrial {Chemical & Petrochemical, Oil & Gas, Food & Beverage, and Others} and Others), By Region, By Competition**

<https://marketpublishers.com/r/R8C01F35F300EN.html>

Date: April 2023

Pages: 114

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

ID: R8C01F35F300EN

### **Abstracts**

The Global Renewable Energy Market is anticipated to register a high CAGR during the forecast period.

Renewable energy is derived from resources that can be regenerated naturally over time and are thus considered to be renewable. It includes energy sources such as sunshine, wind, water currents, and geothermal heat. Although the fact that the majority of renewable energy sources are sustainable, some are not. For instance, certain biomass sources are deemed unsustainable at the rate at which they are being used. Renewable energy is frequently used to power stand-alone power systems, air and water heating and cooling systems, and electricity generation for a grid. Large-scale renewable energy technology projects are usual, but they are also suitable for rural, isolated, and developing nations, where energy is frequently essential for human growth. Advanced electrification, which has significant benefits, including the ability to transmit heat or things effectively and being clean at the point of use, is frequently used in conjunction with the deployment of renewable energy. Additionally, electrification using renewable energy is more effective and thus results in large reductions in the

need for primary energy. Renewable energy increased from 20% to 28% of the world's electrical supply between 2011 and 2021. Nuclear energy dropped from 12% to 10%, while fossil energy dropped from 68% to 62%. Hydropower's contribution declined from 16% to 15%, while solar and wind energy's share rose from 2% to 10%. Geothermal energy and biomass both increased from 2% to 3%. In 135 nations, there are 3,146 gigawatts installed, while 156 nations have legislation governing the renewable energy industry. Nearly half of the growth in renewable power generated worldwide came from China in 2021.

### Growing Industrialization and Commercialization

As the demand for coal and natural gas continues to rise because of expanding industrialization and commercialization, people are using equipment that consumes increasing amounts of electrical energy. Additionally, a growing number of individuals worldwide are worried about the environment and want to do their share to reduce the carbon footprint left behind. These two factors are essential drivers of the market growth for renewable energy in this sector and company. As a result, it is expected that the market for renewable energy will grow steadily during the forecast period.

### Infrastructure Development

In 2022, transmission development was anticipated to play a significant role in the renewable energy sector's agenda since it is essential for linking new, sometimes remote-located, renewable energy generation to electricity-consuming centers. Progress, which has frequently been hindered by permission delays of projects, will probably be unlocked with the aid of policy and regulatory support, investments, as well as innovation. Transmission projects, particularly interregional ones, have so far continued to pose a significant barrier to the expansion of renewable energy because they find it difficult to obtain regulatory approval from every state they pass through, as well as opposition from environmental organizations and refusal from landowners.

Transmission interconnection backlogs are holding up around 844 GW of potential capacity, 90% of which is renewable or energy storage. This is especially true with offshore wind, which is expected to increase significantly, and which has to be connected to existing coastal infrastructure. The transmission problem may be resolved by expanding the capacity of current lines as well as by constructing new lines. New transmission projects are either being planned for or are dependent upon by 76%, according to respondents from the electricity and utility industry, as per the survey.

## New Technologies

The development of next-generation technology is gaining momentum. Investors in the renewable energy sector are thinking about investing in them, which might eventually support the confident integration of variable renewables such as wind and solar into the electric grid. Private funding, pilot projects, and federal research funding might hasten the commercialization of cutting-edge technologies such as green hydrogen, enhanced batteries, and other types of long-duration storage for a market that has previously been mainly focused on solar and wind energy. To achieve the goal of 100% clean energy, these technologies can offer zero-carbon electricity, longer-term seasonal electricity storage, reduce system congestion, stop renewable energy curtailment, increase dependability, and make it easier to integrate solar and wind power into the grid.

The falling prices of renewable energy, a vital component in the production process, have been a major factor in the emergence of green hydrogen. Owing to green hydrogen's ability to serve as a long-term and seasonal fuel storage system that is readily accessible to create electricity on demand, it is anticipated that green hydrogen development will expand in 2022 as the grid's penetration of renewable energy sources rises. States and energy corporations are also seizing this opportunity and increasing the production of renewable hydrogen. A variety of developing mechanical and battery storage technologies that provide choices for long-term energy storage and assist the grid is also generating a lot of interest.

## Market Segmentation

The Global Renewable Energy Market is divided on the basis of type, end-use industry, and Industrial. Based on type, the market is further divided into hydroelectric power, wind power, bioenergy, solar energy, and geothermal energy. Based on the end-use industry, the market is segmented into residential, commercial, industrial, and others. The commercial sub-segment is further segregated into offices, hotels & resorts, hospitals, education, and others. Also, the Industrial Sub-segment is segregated into chemical & petrochemical, oil & gas, food & beverage, and others.

## Market Players

Major market players in the Global Renewable Energy Market are Canadian Solar Inc., General Electric Company, Vestas Wind Systems AS, First Solar Inc., Jinko Solar Holding Co. Ltd, Tata Power, Xcel Energy Inc, Siemens Gamesa Renewable Energy, S.A., Enel Spa, and Acconia.

## Report Scope:

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

### Global Renewable Energy Market, By Type:

Hydroelectric Power

Wind Power

Bioenergy

Solar Energy

Geothermal Energy

### Global Renewable Energy Market, By End Use Industry:

Residential

Commercial

Offices

Hotels & Resort

Hospital

Education

Others

Industrial

Chemical & Petrochemical

Oil & Gas

Food & Beverage

Others

Others

### Global Renewable Energy Market, By Region:

Asia-Pacific

North America

Europe

Middle East & Africa

South America

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Renewable Energy Market.

### Available Customizations:

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 five).

## Contents

### 1. PRODUCT OVERVIEW

### 2. RESEARCH METHODOLOGY

### 3. IMPACT OF COVID-19 ON THE GLOBAL RENEWABLE ENERGY MARKET

### 4. EXECUTIVE SUMMARY

### 5. VOICE OF CUSTOMERS

### 6. GLOBAL RENEWABLE ENERGY MARKET OUTLOOK

#### 6.1. Market Size & Forecast

##### 6.1.1. By Value

#### 6.2. Market Share & Forecast

##### 6.2.1. By Type (Hydroelectric Power, Wind Power, Bioenergy, Solar Energy, and Geothermal Energy)

##### 6.2.2. By End Use Industry (Residential, Commercial {Offices, Hotels & Resort, Hospital, Education, & Others}, Industrial {Chemical & Petrochemical, Oil & Gas, Food & Beverage, and Others})

##### 6.2.3. By Region

##### 6.2.4. By Company (2022)

#### 6.3. Market Map

### 7. ASIA-PACIFIC RENEWABLE ENERGY MARKET OUTLOOK

#### 7.1. Market Size & Forecast

##### 7.1.1. By Value

#### 7.2. Market Share & Forecast

##### 7.2.1. By Type

##### 7.2.2. By End Use Industry

##### 7.2.3. By Country

#### 7.3. Asia-Pacific: Country Analysis

##### 7.3.1. China Renewable Energy 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 Type
- 7.3.1.2.2. By End Use Industry
- 7.3.2. Japan Renewable Energy 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 Type
    - 7.3.2.2.2. By End Use Industry
- 7.3.3. India Renewable Energy 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 Type
    - 7.3.3.2.2. By End Use Industry
- 7.3.4. South Korea Renewable Energy 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 Type
    - 7.3.4.2.2. By End Use Industry
- 7.3.5. Australia Renewable Energy 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 Type
    - 7.3.5.2.2. By End Use Industry

## **8. NORTH AMERICA RENEWABLE ENERGY MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Type
  - 8.2.2. By End Use Industry
  - 8.2.3. By Country
- 8.3. North America: Country Analysis
  - 8.3.1. United States Renewable Energy 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 Type
  - 8.3.1.2.2. By End Use Industry
- 8.3.2. Canada Renewable Energy 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 Type
    - 8.3.2.2.2. By End Use Industry
- 8.3.3. Mexico Renewable Energy 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 Type
    - 8.3.3.2.2. By End Use Industry

## **9. EUROPE RENEWABLE ENERGY MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Type
  - 9.2.2. By End Use Industry
  - 9.2.3. By Country
- 9.3. Europe: Country Analysis
  - 9.3.1. Germany Renewable Energy 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 Type
      - 9.3.1.2.2. By End Use Industry
  - 9.3.2. United Kingdom Renewable Energy 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 Type
      - 9.3.2.2.2. By End Use Industry
  - 9.3.3. France Renewable Energy 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 Type
  - 9.3.3.2.2. By End Use Industry
- 9.3.4. Spain Renewable Energy Market Outlook
  - 9.3.4.1. Market Size & Forecast
    - 9.3.4.1.1. By Value
  - 9.3.4.2. Market Share & Forecast
    - 9.3.4.2.1. By Type
    - 9.3.4.2.2. By End Use Industry
- 9.3.5. Italy Renewable Energy Market Outlook
  - 9.3.5.1. Market Size & Forecast
    - 9.3.5.1.1. By Value
  - 9.3.5.2. Market Share & Forecast
    - 9.3.5.2.1. By Type
    - 9.3.5.2.2. By End Use Industry

## **10. MIDDLE EAST & AFRICA RENEWABLE ENERGY MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Type
  - 10.2.2. By End Use Industry
  - 10.2.3. By Country
- 10.3. Middle East & Africa: Country Analysis
  - 10.3.1. Saudi Arabia Renewable Energy 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 Type
      - 10.3.1.2.2. By End Use Industry
  - 10.3.2. UAE Renewable Energy 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 Type
      - 10.3.2.2.2. By End Use Industry
  - 10.3.3. South Africa Renewable Energy 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 Type
  - 10.3.3.2.2. By End Use Industry

## **11. SOUTH AMERICA RENEWABLE ENERGY MARKET OUTLOOK**

- 11.1. Market Size & Forecast
  - 11.1.1. By Value
- 11.2. Market Share & Forecast
  - 11.2.1. By Type
  - 11.2.2. By End Use Industry
  - 11.2.3. By Country
- 11.3. South America: Country Analysis
  - 11.3.1. Brazil Renewable Energy Market Outlook
    - 11.3.1.1. Market Size & Forecast
      - 11.3.1.1.1. By Value
    - 11.3.1.2. Market Share & Forecast
      - 11.3.1.2.1. By Type
      - 11.3.1.2.2. By End Use Industry
  - 11.3.2. Argentina Renewable Energy Market Outlook
    - 11.3.2.1. Market Size & Forecast
      - 11.3.2.1.1. By Value
    - 11.3.2.2. Market Share & Forecast
      - 11.3.2.2.1. By Type
      - 11.3.2.2.2. By End Use Industry
  - 11.3.3. Colombia Renewable Energy Market Outlook
    - 11.3.3.1. Market Size & Forecast
      - 11.3.3.1.1. By Value
    - 11.3.3.2. Market Share & Forecast
      - 11.3.3.2.1. By Type
      - 11.3.3.2.2. By End Use Industry

## **12. MARKET DYNAMICS**

- 12.1. Drivers
- 12.2. Challenges

## **13. MARKET TRENDS & DEVELOPMENTS**

## **14. POLICY & REGULATORY LANDSCAPE**

## **15. COMPANY PROFILES**

### 15.1. Canadian Solar Inc,

- 15.1.1. Business Overview
- 15.1.2. Key Revenue and Financials (If Available)
- 15.1.3. Recent Developments
- 15.1.4. Key Personnel
- 15.1.5. Key Product/Services

### 15.2. General Electric Company

- 15.2.1. Business Overview
- 15.2.2. Key Revenue and Financials (If Available)
- 15.2.3. Recent Developments
- 15.2.4. Key Personnel
- 15.2.5. Key Product/Services

### 15.3. Vestas Wind Systems AS

- 15.3.1. Business Overview
- 15.3.2. Key Revenue and Financials (If Available)
- 15.3.3. Recent Developments
- 15.3.4. Key Personnel
- 15.3.5. Key Product/Service

### 15.4. First Solar Inc,

- 15.4.1. Business Overview
- 15.4.2. Key Revenue and Financials (If Available)
- 15.4.3. Recent Developments
- 15.4.4. Key Personnel
- 15.4.5. Key Product/Service

### 15.5. Jinko Solar Holding Co. Ltd

- 15.5.1. Business Overview
- 15.5.2. Key Revenue and Financials (If Available)
- 15.5.3. Recent Developments
- 15.5.4. Key Personnel
- 15.5.5. Key Product/Services

### 15.6. Tata Power

- 15.6.1. Business Overview
- 15.6.2. Key Revenue and Financials (If Available)

- 15.6.3. Recent Developments
- 15.6.4. Key Personnel
- 15.6.5. Key Product/Services
- 15.7. Xcel Energy Inc,
  - 15.7.1. Business Overview
  - 15.7.2. Key Revenue and Financials (If Available)
  - 15.7.3. Recent Developments
  - 15.7.4. Key Personnel
  - 15.7.5. Key Product/Services
- 15.8. Siemens Gamesa Renewable Energy, S.A.
  - 15.8.1. Business Overview
  - 15.8.2. Key Revenue and Financials (If Available)
  - 15.8.3. Recent Developments
  - 15.8.4. Key Personnel
  - 15.8.5. Key Product/Services
- 15.9. Enel Spa
  - 15.9.1. Business Overview
  - 15.9.2. Key Revenue and Financials (If Available)
  - 15.9.3. Recent Developments
  - 15.9.4. Key Personnel
  - 15.9.5. Key Product/Services
- 15.10. Acconia
  - 15.10.1. Business Overview
  - 15.10.2. Key Revenue and Financials (If Available)
  - 15.10.3. Recent Developments
  - 15.10.4. Key Personnel
  - 15.10.5. Key Product/Services

## **16. STRATEGIC RECOMMENDATIONS**

- 16.1. Key focus on Asia-Pacific Region
- 16.2. Key focus towards Hydroelectric Power Segment

## **17. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Renewable Energy Market – Global Industry Size, Share, Trends, Opportunity and Forecast, 2018-2028 By Type (Hydroelectric Power, Wind Power, Bioenergy, Solar Energy, and Geothermal Energy), By End Use Industry (Residential, Commercial {Offices, Hotels & Resort, Hospital, Education, & Others}, Industrial {Chemical & Petrochemical, Oil & Gas, Food & Beverage, and Others} and Others), By Region, By Competition

Product link: <https://marketpublishers.com/r/R8C01F35F300EN.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](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R8C01F35F300EN.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