

Global Turbo Generator Market Size study & Forecast, by Type (Gas Turbine Generator, Steam turbine generator, Water turbine generator), by Cooling System (Air-cooled, Water-cooled, Hydrogen-cooled), by End-Users (Coal power plants, Gas power plants, Nuclear power plants, Others) and Regional Analysis, 2023-2030

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Abstracts

Global Turbo Generator Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Turbo generator is a type of electrical generator that is driven by a turbine to convert mechanical energy into electrical energy. The turbine is typically powered by a fluid, such as steam or gas, which is produced by burning fossil fuels or through other means. Turbo generators are commonly used in power plants to generate electricity. The key factors driving the market growth are increasing energy demand, growing industrialization, and expansion of power generation capacity that is anticipated to support the market growth during the forecast period 2023-2030.

Additionally, the global electricity demand continues to rise, driven by population growth, urbanization, and industrialization. Turbo generators play a crucial role in meeting this growing demand by providing a reliable source of electricity in power generation facilities. According to the Statista in 2023, Global electricity consumption has steadily increased over the past 50 years, reaching around 25,300 terawatt-hours in 2021. China stands out as the largest consumer of electricity worldwide, with consumption exceeding 7.8 terawatt hours in 2021. Moreover, government policies and incentives promoting the development of the power sector, and rapid growth in gas power plants are anticipated to create lucrative opportunities for the market over the projected year.

However, the implementation of stringent government regulations toward environmental pollution, and rapid development in the renewable energy sector stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Turbo Generator Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the increasing demand for electricity, the replacement of aging infrastructure, and the presence of key market players. Whereas, the Asia Pacific is expected to grow with the fastest growth rate over the forecast period, owing to factors such as the rising investment in infrastructure development, including the construction of new power plants and the expansion of existing ones, ongoing urbanization and industrial growth, and supportive government policies and initiatives.

Major market player included in this report are:

Suzlon Energy Ltd.

Ansaldo Energia S.p.A.

Toshiba Corporation

Beijing BEIZHONG Steam Turbine Generator Co., Ltd.

Ebara Corporation

Bharat Heavy Electricals Limited

Mitsubishi Heavy Industries, Ltd.

General Electric Company

Andritz AG

Siemens AG

Recent Developments in the Market:

In September 2022: Hindustan Aeronautics Limited (HAL) and Honeywell jointly

signed a memorandum of understanding (MoU) to manufacture high-power, high-voltage turbogenerators.

Global Turbo Generator Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

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

Segments Covered – Type, Cooling System, End-Users, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

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 Type:

Gas Turbine Generator

Steam turbine generator

Water turbine generator

By Cooling System:

Air-cooled

Water-cooled

Hydrogen-cooled

By End-Users:

Coal power plants

Gas power plants

Nuclear power plants

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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