

# Global Excitation Systems Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Excitation Systems market size was valued at USD 2307 million in 2023 and is forecast to a readjusted size of USD 2830.9 million by 2030 with a CAGR of 3.0% during review period.

An excitation system is a system used for providing the necessary field current to the rotor winding of the synchronous machine.

In brushless excitation systems, the field current is supplied to synchronous machines without using slip rings and carbon brushes. As these systems do not require carbon brushes, losses due to contact resistance are low, thus resulting in low maintenance as compared to static excitation systems. Thus, low maintenance cost as compared to static excitation systems is expected to support the market growth for brushless excitation systems.

The Global Info Research report includes an overview of the development of the Excitation Systems industry chain, the market status of Synchronous Generators (Static Excitation Systems, Brushless Excitation Systems), Synchronous Motors (Static Excitation Systems, Brushless Excitation Systems), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Excitation Systems.

Regionally, the report analyzes the Excitation Systems markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Excitation Systems market, with robust domestic demand, supportive policies, and a

strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Excitation Systems market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Excitation Systems industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Static Excitation Systems, Brushless Excitation Systems).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Excitation Systems market.

**Regional Analysis:** The report involves examining the Excitation Systems market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Excitation Systems market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Excitation Systems:

**Company Analysis:** Report covers individual Excitation Systems manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Excitation Systems This may involve surveys, interviews, and analysis

of consumer reviews and feedback from different by Application (Synchronous Generators, Synchronous Motors).

**Technology Analysis:** Report covers specific technologies relevant to Excitation Systems. It assesses the current state, advancements, and potential future developments in Excitation Systems areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Excitation Systems market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Excitation Systems market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

- Static Excitation Systems

- Brushless Excitation Systems

### Market segment by Application

- Synchronous Generators

- Synchronous Motors

### Major players covered

- ABB(Switzerland)

Rolls Royce(UK)

Voith(Germany)

Tenel(Czech Republic)

Basler Electric(US)

Konear Inem(Croatia)

Altex Electric(India)

Automation Electronics(India)

Amtech Power(India)

Andritz(Austria)

Siemens(Germany)

GE(US)

VEO OY(Finland)

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Excitation Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Excitation Systems, with price, sales, revenue and global market share of Excitation Systems from 2019 to 2024.

Chapter 3, the Excitation Systems competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Excitation Systems breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Excitation Systems market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Excitation Systems.

Chapter 14 and 15, to describe Excitation Systems sales channel, distributors, customers, research findings and conclusion.

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