

Excitation Systems - Global Market Outlook (2020-2028)

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Abstracts

According to Statistics MRC, the Global Excitation Systems Market is accounted for \$2.58 billion in 2020 and is expected to reach \$3.93 billion by 2028 growing at a CAGR of 5.4% during the forecast period. Increase in demand for uninterrupted and reliable power supply in several industries, rising demand for synchronous machines by industrial users, and increasing the popularity of solar and wind power are driving the market growth. However, complex design leading to difficulty in maintenance is hampering the growth of the market.

An excitation system is used to produce the flux by passing current in the windings and thus provides field current to the rotor winding of a synchronous machine. These systems are undergoing continuous improvements in line with larger and complex power systems. Such systems provide stability and reliability of the working operation of the synchronous machines.

Based on the controller type, the digital segment is going to have lucrative growth during the forecast period due to the easy conversion of analog to digital controls. These systems provide a significant improvement in generator performance by improving transient as well as dynamic stability. By geography, Asia Pacific is going to have high growth during the forecast period owing to the rapidly growing renewable energy-based capacity additions, development of infrastructure related to smart cities, growing industrialization and urbanization.

Some of the key players profiled in the Excitation Systems Market include Veo Oy, ABB, Siemens Energy, WEG, Nelumbo Icona Controls Pvt. Ltd, Basler Electric, Emerson, Excitation & Engineering Services Ltd, F&S PROZESSAUTOMATION GmbH, General Electric, KON?AR Group, L & S Electric, Melrose Industries PLC, Nidec Corporation ,

Automation Electronics India, Mitsubishi Electric Corporation, PLUTON Group, Reivax, S.R.O., ANDRITZ Group, SVEA Power, Tenel, Amtech Power Ltd. and Voith Group.

Types Covered:

DC (Direct Current) Excitation System

AC (Alternating Current) Excitation System

Static Excitation System

Controller Types Covered:

Analog

Digital

Components Covered:

Automatic Voltage Regulator (AVR)

Exciter

Power System Stabilizer (PSS)

Applications Covered:

Synchronous Generators

Synchronous Motors

Excitation Methods Covered:

Auxiliary Winding (AUX)

Excitation Boost System (EBS)

Permanent Magnet Generator (PMG)

Shunt or Self Excited

Sales Channels Covered:

Direct

Indirect

End Users Covered:

Power Generation Industry

Heavy Industries

Marine

Original Equipment Manufacturer (OEM)

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025 and 2028

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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