

Excitation Systems Market by Type (Static and Brushless), Controller Type (Analog and Digital), Application (Synchronous Generators and Synchronous Motors), End User (Power Generation, Heavy Industries, and OEMs) and Region - Global Forecast to 2026

https://marketpublishers.com/r/EAF6A99F7571EN.html

Date: April 2021

Pages: 206

Price: US\$ 4,950.00 (Single User License)

ID: EAF6A99F7571EN

Abstracts

The excitation systems market is estimated at USD 2.7 billion in 2021 and is projected to reach USD 3.4 billion by 2026, at a CAGR of 4.4% from 2021 to 2026. Rapid growth in the power sector is the key to the economic development of a country. Electricity is a key ingredient for the growth of various industries such as oil & gas, mining, utilities, chemicals, cement, and manufacturing. The increasing demand for power requires the upgrading and expansion of transmission and distribution infrastructure. This has increased the demand for synchronous machines in various end-use applications such as hydro, thermal, and nuclear power plants.

Energy saving and power factor correction abilities are the advantages provided by synchronous machines, which have a played a key role in their increasing popularity. The rising popularity of synchronous machines has, in turn, driven the growth of excitation systems. Synchronous machines require excitation systems as they play a key role in controlling the voltage output, protect the stator and rotor, and adjust plant voltage and reactive power automatically. Complex design that creates difficulty in maintenance is expected to restrain the market growth.

"The brushless excitation systems segment is expected to grow at the highest CAGR from 2021 to 2026"



Brushless excitation systems are expected to emerge as the largest growing market. 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.

"Digital excitation systems are expected to emerge as the largest segment based on controller type"

Digital excitation systems provide a significant improvement in generator performance by improving transient as well as dynamic stability. Easy conversion of analog-to-digital controls is likely to be the major factor fostering the demand for digital control systems during the forecast period. Analog systems continue to get older; many utilities have decided to upgrade their analog systems with newer technology. Thus, analog controllers are likely to become obsolete, and digital excitation systems are likely to be a good economical solution during the forecast period.

"Asia Pacific is expected to grow at the highest CAGR from 2021 to 2026"

The Asia Pacific region is estimated to be the largest and fastest growing market for excitation systems, followed by North America and Europe. China, which accounted for a major share of the Asia Pacific market in 2017, is projected to grow at the highest CAGR from 2021 to 2026. The increase in demand for excitation systems in the Asia Pacific region can be attributed to the growing demand for uninterrupted and reliable power supply in the region. As it is the most populated region in the world, Asia Pacific witnesses a high demand for electricity. According to the Asian Development Bank (ADB), energy demand is projected to be almost double in Asia Pacific by 2030. The increasing investments in renewable energy projects are also anticipated to support the growth of excitation systems market in the region.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 60%, Tier 2- 25%, Tier 3- 15%



By Designation: C-Level- 35%, Director Level- 25%, Others- 40%

By Region: North America-25%, APAC- 21%, Europe-15%, Middle East- 10%, Africa-8%, South America-10%

Note: The tier of the companies has been defined based on their total revenue, as of 2016: Tier 1 = >USD 5 billion, Tier 2 = > USD 0.5 billion to USD 1 billion, and Tier 3 = USD 5 billion, Tier 2 Company—Revenue between USD 1 and USD 5 billion, and Tier 3 Company—Revenue

The excitation systems market is dominated by a few major players that have an extensive regional presence. The leading players in this market are ABB (Switzerland), Siemens Energy(Germany), General Electric (US), ANDRITZ Group (Austria), and Emerson (US).

Study Coverage:

The report defines, describes, and forecasts the excitation systems market, by technology, application, and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market, which include the analysis of the competitive landscape, market dynamics, market estimates in terms of value, and future trends in the excitation systems market.

Key Benefits of Buying the Report

- 1. The report identifies and addresses the key markets for excitation systems, which would help equipment manufacturers review the growth in demand.
- 2. The report helps system providers understand the pulse of the market and provides insights into drivers, restraints, opportunities, and challenges.
- 3. The report will help key players understand the strategies of their competitors better and help them in making better strategic decisions.



Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION AND SCOPE
- 1.2.1 EXCITATION SYSTEMS MARKET, BY APPLICATION: INCLUSIONS & EXCLUSIONS
- 1.2.2 EXCITATION SYSTEMS MARKET, BY END USER: INCLUSIONS & EXCLUSIONS
- 1.3 MARKET SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 REGIONAL SCOPE
- 1.4 YEARS CONSIDERED
- 1.5 CURRENCY
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS
- 1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- FIGURE 1 EXCITATION SYSTEMS MARKET: RESEARCH DESIGN
- 2.2 MARKET BREAKDOWN AND DATA TRIANGULATION
- FIGURE 2 DATA TRIANGULATION METHODOLOGY
- 2.2.1 SECONDARY DATA
 - 2.2.1.1 Key data from secondary sources
- 2.2.2 PRIMARY DATA
 - 2.2.2.1 Key data from primary sources
- 2.2.2.2 Breakdown of primaries
- 2.3 SCOPE
- 2.4 IMPACT OF COVID-19 ON POWER INDUSTRY
- 2.5 MARKET SIZE ESTIMATION
 - 2.5.1 BOTTOM-UP APPROACH
- FIGURE 3 EXCITATION SYSTEMS MARKET: INDUSTRY-REGION/COUNTRY-WISE ANALYSIS
 - 2.5.2 TOP-DOWN APPROACH
- FIGURE 4 EXCITATION SYSTEMS MARKET: TOP-DOWN APPROACH
- 2.6 DEMAND-SIDE METRICS



FIGURE 5 MAIN METRICS CONSIDERED WHILE CONSTRUCTING AND ASSESSING DEMAND FOR EXCITATION SYSTEMS

2.6.1 CALCULATION FOR DEMAND SIDE

2.6.2 ASSUMPTIONS FOR DEMAND SIDE

2.7 SUPPLY-SIDE ANALYSIS

FIGURE 6 KEY STEPS CONSIDERED FOR ASSESSING SUPPLY OF EXCITATION SYSTEMS

FIGURE 7 EXCITATION SYSTEMS MARKET: SUPPLY-SIDE ANALYSIS, 2019

2.7.1 CALCULATIONS FOR SUPPLY SIDE

2.7.2 ASSUMPTIONS FOR SUPPLY SIDE

2.7.2.1 Key primary insights for supply side

2.8 FORECAST

3 EXECUTIVE SUMMARY

TABLE 1 EXCITATION SYSTEMS MARKET SNAPSHOT

FIGURE 8 ASIA PACIFIC DOMINATED EXCITATION SYSTEMS IN 2020

FIGURE 9 BRUSHLESS EXCITATION SYSTEMS TO EXHIBIT HIGHEST CAGR

DURING FORECAST PERIOD

FIGURE 10 DIGITAL EXCITATION SYSTEMS TO HOLD COMMANDING POSITION

DURING FORECAST PERIOD

FIGURE 11 SYNCHRONOUS GENERATORS TO LEAD EXCITATION SYSTEMS

MARKET FROM 2021 TO 2026

FIGURE 12 ORIGINAL EQUIPMENT MANUFACTURERS TO COMMAND

EXCITATION SYSTEMS MARKET DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN EXCITATION SYSTEMS MARKET, 2021–2026 FIGURE 13 RISING DEMAND FOR SYNCHRONOUS MACHINES TO DRIVE EXCITATION SYSTEMS MARKET GROWTH

4.2 EXCITATION SYSTEMS MARKET, BY TYPE

FIGURE 14 BRUSHLESS EXCITATION SYSTEMS HELD LARGER MARKET SHARE IN 2020

4.3 EXCITATION SYSTEMS MARKET, BY CONTROLLER TYPE

FIGURE 15 DIGITAL EXCITATION SYSTEMS CAPTURED LARGER MARKET

SHARE THAN ANALOG EXCITATION SYSTEMS IN 2020

4.4 EXCITATION SYSTEMS MARKET. BY END USER

FIGURE 16 ORIGINAL EQUIPMENT MANUFACTURERS (OEMS) HELD LARGEST



MARKET SHARE IN 2020

4.5 EXCITATION SYSTEMS MARKET, BY REGION

FIGURE 17 MARKET IN ASIA PACIFIC TO GROW AT FASTEST RATE DURING FORECAST PERIOD

4.6 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY APPLICATION & COUNTRY

FIGURE 18 SYNCHRONOUS GENERATORS AND CHINA DOMINATED EXCITATION SYSTEMS MARKET IN ASIA PACIFIC IN 2020

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 COVID-19 HEALTH ASSESSMENT

FIGURE 19 COVID-19 GLOBAL PROPAGATION

FIGURE 20 COVID-19 PROPAGATION IN SELECTED COUNTRIES

5.3 ROAD TO RECOVERY

FIGURE 21 RECOVERY ROAD FOR 2020 & 2021

5.4 COVID-19 ECONOMIC ASSESSMENT

FIGURE 22 REVISED GDP FORECASTS FOR SELECT G20 COUNTRIES IN 2020

5.5 MARKET DYNAMICS

FIGURE 23 EXCITATION SYSTEMS MARKET: DRIVERS, RESTRAINTS,

OPPORTUNITIES, AND CHALLENGES

5.5.1 DRIVERS

5.5.1.1 Increase in demand for uninterrupted and reliable power supply in several industries

FIGURE 24 ELECTRICITY DEMAND, BY SECTOR: STATED POLICIES SCENARIO, 2018–2040

- 5.5.1.2 Rise in demand for synchronous machines by industrial users to ensure uninterrupted power supply for efficient production
- 5.5.1.3 Advantages of synchronous machines, for example, energy conservation and ability to improve system power factor
 - 5.5.2 RESTRAINTS
 - 5.5.2.1 Complex design leading to difficulty in maintenance of excitation systems 5.5.3 OPPORTUNITIES
- 5.5.3.1 Increasing investments in renewable energy projects, especially in hydropower sector

FIGURE 25 RENEWABLE POWER INVESTMENTS, 2012-2020

5.5.3.2 Growing adoption of high-voltage direct-current (HVDC) technology in synchronous machines



5.5.4 CHALLENGES

5.5.4.1 Shortage of components/parts used in manufacturing excitation systems

5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESS

5.6.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR PLAYERS IN

EXCITATION SYSTEMS MARKET

FIGURE 26 REVENUE SHIFT FOR EXCITATION SYSTEMS MARKET PLAYERS

5.7 SUPPLY CHAIN ANALYSIS

FIGURE 27 EXCITATION SYSTEMS: SUPPLY CHAIN

TABLE 2 SUPPLY CHAIN PARTICIPANTS IN EXCITATION SYSTEMS MARKET

5.7.1 RAW MATERIAL PROVIDERS/SUPPLIERS

5.7.2 COMPONENT MANUFACTURERS

5.7.3 EXCITATION SYSTEM MANUFACTURERS/ASSEMBLERS

5.7.4 END USERS

5.8 MARKET MAP

FIGURE 28 EXCITATION SYSTEMS: MARKET MAP

5.9 AVERAGE PRICING OF EXCITATION SYSTEMS

5.10 TRADE DATA STATISTICS

TABLE 3 REGION-WISE IMPORT DATA, 2018–2019 (USD MILLION)

TABLE 4 REGION-WISE EXPORT DATA, 2018–2019 (USD MILLION)

5.11 PORTER'S FIVE FORCES ANALYSIS

FIGURE 29 EXCITATION SYSTEMS MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 5 EXCITATION SYSTEMS MARKET: PORTER'S FIVE FORCES

5.11.1 THREAT OF NEW ENTRANTS

5.11.2 THREAT OF SUBSTITUTES

5.11.3 BARGAINING POWER OF SUPPLIERS

5.11.4 BARGAINING POWER OF BUYERS

5.11.5 INTENSITY OF RIVALRY

5.12 TECHNOLOGY ANALYSIS

5.12.1 TECHNOLOGY TRENDS FOR EXCITATION SYSTEMS

5.13 EXCITATION SYSTEMS: CODES AND REGULATIONS

5.14 EXCITATION SYSTEMS: PATENT ANALYSIS

5.14.1 INNOVATIONS & PATENT REGISTRATION

TABLE 6 IMPORTANT INNOVATION & PATENT REGISTRATION, 2016–2020

5.15 CASE STUDY ANALYSIS

5.15.1 EXCITATION SYSTEMS FOR HYDROPOWER PLANT

5.15.1.1 Reivax introduced static excitation systems for 826-MVA project

6 EXCITATION SYSTEMS MARKET, BY TYPE



6.1 INTRODUCTION

FIGURE 30 BRUSHLESS EXCITATION SYSTEMS LED MARKET IN 2020 TABLE 7 EXCITATION SYSTEMS MARKET, BY TYPE, 2016–2019 (USD BILLION) TABLE 8 EXCITATION SYSTEMS MARKET, BY TYPE, 2020–2026 (USD BILLION) 6.2 STATIC

6.2.1 INCREASED NEED FOR HIGH-PERFORMANCE AND FAST-RESPONSE EXCITATION SYSTEMS

TABLE 9 STATIC EXCITATION SYSTEMS MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 10 STATIC EXCITATION SYSTEMS MARKET, BY REGION, 2020–2025 (USD MILLION)

6.3 BRUSHLESS

6.3.1 LOW MAINTENANCE AND HIGH RELIABILITY OF BRUSHLESS EXCITATION SYSTEMS

TABLE 11 BRUSHLESS EXCITATION SYSTEMS MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 12 BRUSHLESS EXCITATION SYSTEMS MARKET, BY REGION, 2020–2025 (USD MILLION)

7 EXCITATION SYSTEMS MARKET, BY CONTROLLER TYPE

7.1 INTRODUCTION

FIGURE 31 DIGITAL CONTROL SYSTEMS DOMINATED EXCITATION SYSTEMS MARKET IN 2020

TABLE 13 EXCITATION SYSTEMS MARKET, BY CONTROLLER TYPE, 2016–2019 (USD BILLION)

TABLE 14 EXCITATION SYSTEMS MARKET, BY CONTROLLER TYPE, 2020–2026 (USD BILLION)

7.2 ANALOG

7.2.1 RELIABILITY OF ANALOG EXCITATION SYSTEMS TO MODERATELY DRIVE MARKET GROWTH IN COMING YEARS

TABLE 15 ANALOG EXCITATION SYSTEMS MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 16 ANALOG EXCITATION SYSTEMS MARKET, BY REGION, 2020–2026 (USD MILLION)

7.3 DIGITAL

7.3.1 REPLACEMENT OF ANALOG EXCITATION SYSTEMS WITH DIGITAL EXCITATION SYSTEMS TO FUEL MARKET GROWTH
TABLE 17 DIGITAL EXCITATION SYSTEMS MARKET, BY REGION, 2016–2019 (USD



MILLION)

TABLE 18 DIGITAL EXCITATION SYSTEMS MARKET, BY REGION, 2020–2026 (USD MILLION)

8 EXCITATION SYSTEMS MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 32 SYNCHRONOUS GENERATORS DOMINATED EXCITATION SYSTEMS MARKET, BY APPLICATION, IN 2020

TABLE 19 EXCITATION SYSTEMS MARKET, BY APPLICATION, 2016–2019 (USD BILLION)

TABLE 20 EXCITATION SYSTEMS MARKET, BY APPLICATION, 2020–2026 (USD BILLION)

- 8.2 SYNCHRONOUS GENERATORS
- 8.2.1 INCREASING FOCUS ON IMPROVING STABILITY OF POWER SYSTEMS TABLE 21 EXCITATION SYSTEMS MARKET FOR SYNCHRONOUS GENERATORS, BY REGION, 2016–2019 (USD MILLION)

TABLE 22 EXCITATION SYSTEMS MARKET FOR SYNCHRONOUS GENERATORS, BY REGION, 2020–2026 (USD MILLION)

- 8.3 SYNCHRONOUS MOTORS
- 8.3.1 SURGING DEMAND FOR SYNCHRONOUS MOTORS BY HEAVY INDUSTRIES

TABLE 23 EXCITATION SYSTEMS MARKET FOR SYNCHRONOUS MOTORS, BY REGION, 2016–2019 (USD MILLION)

TABLE 24 EXCITATION SYSTEMS MARKET FOR SYNCHRONOUS MOTORS, BY REGION, 2020–2026 (USD MILLION)

9 EXCITATION SYSTEMS MARKET, BY END USER

9.1 INTRODUCTION

FIGURE 33 ORIGINAL EQUIPMENT MANUFACTURERS COMMANDED EXCITATION SYSTEMS MARKET IN 2020

TABLE 25 EXCITATION SYSTEMS MARKET, BY END USER, 2019–2026 (USD BILLION)

9.2 POWER GENERATION INDUSTRY

TABLE 26 EXCITATION SYSTEMS MARKET FOR POWER GENERATION INDUSTRY, BY REGION, 2019–2026 (USD MILLION)

TABLE 27 EXCITATION SYSTEMS MARKET FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)



9.2.1 HYDROELECTRIC POWER PLANTS

9.2.1.1 Increased focus on expanding hydropower installed capacity propelled market growth

TABLE 28 EXCITATION SYSTEMS MARKET FOR HYDROELECTRIC POWER PLANTS, BY REGION, 2019–2026 (USD MILLION)

9.2.2 THERMAL POWER PLANTS

9.2.2.1 Urgent need to upgrade aging electric infrastructure drives market growth TABLE 29 EXCITATION SYSTEMS MARKET FOR THERMAL POWER PLANTS, BY REGION, 2019–2026 (USD MILLION)

9.3 HEAVY INDUSTRIES

TABLE 30 EXCITATION SYSTEMS MARKET FOR HEAVY INDUSTRIES, BY REGION, 2019–2026 (USD MILLION)

TABLE 31 EXCITATION SYSTEMS MARKET FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

9.3.1 MARINE

9.3.1.1 Growing number of commercial vessels for maritime freight transport to spur demand for excitation systems

TABLE 32 EXCITATION SYSTEMS MARKET FOR MARINE INDUSTRY, BY REGION, 2019–2026 (USD MILLION)

9.3.2 OTHERS

TABLE 33 EXCITATION SYSTEMS MARKET FOR OTHER HEAVY INDUSTRIES, BY REGION, 2019–2026 (USD MILLION)

9.4 ORIGINAL EQUIPMENT MANUFACTURERS

9.4.1 SURGING DEMAND FOR SYNCHRONOUS MACHINES TO PROMOTE MARKET GROWTH

TABLE 34 EXCITATION SYSTEMS MARKET FOR OEMS, BY REGION, 2019–2026 (USD MILLION)

10 GEOGRAPHIC ANALYSIS

10.1 INTRODUCTION

FIGURE 34 EXCITATION SYSTEMS MARKET, BY REGION, 2020

FIGURE 35 REGIONAL SNAPSHOT: ASIA PACIFIC TO REGISTER HIGHEST CAGR

IN EXCITATION SYSTEMS MARKET DURING FORECAST PERIOD

TABLE 35 EXCITATION SYSTEMS MARKET, BY REGION, 2016–2019 (USD MILLION)

TABLE 36 EXCITATION SYSTEMS MARKET, BY REGION, 2020–2026 (USD MILLION)

10.2 ASIA PACIFIC



10.2.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN ASIA PACIFIC

FIGURE 36 ASIA PACIFIC: EXCITATION SYSTEMS MARKET SNAPSHOT 10.2.2 BY TYPE

TABLE 37 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY TYPE, 2016–2019 (USD MILLION)

TABLE 38 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY TYPE, 2020–2026 (USD MILLION)

10.2.3 BY CONTROLLER TYPE

TABLE 39 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)

TABLE 40 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.2.4 BY APPLICATION

TABLE 41 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 42 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY APPLICATION, 2020–2026 (USD MILLION)

10.2.5 BY END USER

TABLE 43 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY END USER, 2019–2026 (USD MILLION)

10.2.5.1 By power generation industry

TABLE 44 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)

10.2.5.2 By heavy industries

TABLE 45 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

10.2.6 BY COUNTRY

TABLE 46 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 47 EXCITATION SYSTEMS MARKET IN ASIA PACIFIC, BY COUNTRY, 2020–2026 (USD MILLION)

10.2.6.1 China

10.2.6.1.1 Government reforms and policies to speed up clean energy transformation

TABLE 48 EXCITATION SYSTEMS MARKET IN CHINA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 49 EXCITATION SYSTEMS MARKET IN CHINA, BY TYPE, 2020–2026 (USD MILLION)



10.2.6.2 India

10.2.6.2.1 Government investments in hydropower plants

TABLE 50 EXCITATION SYSTEMS MARKET IN INDIA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 51 EXCITATION SYSTEMS MARKET IN INDIA, BY TYPE, 2020–2026 (USD MILLION)

10.2.6.3 Japan

10.2.6.3.1 High demand for synchronous machines in marine industry

TABLE 52 EXCITATION SYSTEMS MARKET IN JAPAN, BY TYPE, 2016–2019 (USD MILLION)

TABLE 53 EXCITATION SYSTEMS MARKET IN JAPAN, BY TYPE, 2020–2026 (USD MILLION)

10.2.6.4 South Korea

10.2.6.4.1 Increased requirement for high-efficiency equipment to reduce carbon emissions

TABLE 54 EXCITATION SYSTEMS MARKET IN SOUTH KOREA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 55 EXCITATION SYSTEMS MARKET IN SOUTH KOREA, BY TYPE, 2020–2026 (USD MILLION)

10.2.6.5 Australia

10.2.6.5.1 Massive investment in mining industry

TABLE 56 EXCITATION SYSTEMS MARKET IN AUSTRALIA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 57 EXCITATION SYSTEMS MARKET IN AUSTRALIA, BY TYPE, 2020–2026 (USD MILLION)

10.2.6.6 Rest of Asia Pacific

TABLE 58 EXCITATION SYSTEMS MARKET IN REST OF ASIA PACIFIC, BY TYPE, 2016–2019 (USD MILLION)

TABLE 59 EXCITATION SYSTEMS MARKET IN REST OF ASIA PACIFIC, BY TYPE, 2020–2026 (USD MILLION)

10.3 NORTH AMERICA

10.3.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN NORTH AMERICA

FIGURE 37 NORTH AMERICA: EXCITATION SYSTEMS MARKET SNAPSHOT 10.3.2 BY TYPE

TABLE 60 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 61 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY TYPE, 2020–2026 (USD MILLION)



10.3.3 BY CONTROLLER TYPE

TABLE 62 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)

TABLE 63 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.3.4 BY APPLICATION

TABLE 64 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 65 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY APPLICATION, 2020–2026 (USD MILLION)

10.3.5 BY END USER

TABLE 66 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY END USER, 2019–2026 (USD MILLION)

10.3.5.1 By power generation industry

TABLE 67 EXCITATION SYSTEMS MARKET IN NORTH AMERICA FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)

10.3.5.2 BY heavy industries

TABLE 68 EXCITATION SYSTEMS MARKET IN NORTH AMERICA FOR HEAVY INDUSTRIES, BY TYPE,2019–2026 (USD MILLION)

10.3.6 BY COUNTRY

TABLE 69 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 70 EXCITATION SYSTEMS MARKET IN NORTH AMERICA, BY COUNTRY, 2020–2026 (USD MILLION)

10.3.6.1 US

10.3.6.1.1 Increasing investment in building and refurbishing hydroelectric generation stations boosts market growth

TABLE 71 EXCITATION SYSTEMS MARKET IN US, BY TYPE, 2016–2019 (USD MILLION)

TABLE 72 EXCITATION SYSTEMS MARKET IN US, BY TYPE, 2020–2026 (USD MILLION)

10.3.6.2 Canada

10.3.6.2.1 Surging demand for synchronous machines in oil & gas to propel market growth

TABLE 73 EXCITATION SYSTEMS MARKET IN CANADA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 74 EXCITATION SYSTEMS MARKET IN CANADA, BY TYPE, 2020–2026 (USD MILLION)

10.3.6.3 Mexico



10.3.6.3.1 Booming industrial sector to boost demand for excitation systems TABLE 75 EXCITATION SYSTEMS MARKET IN MEXICO, BY TYPE, 2016–2019 (USD MILLION)

TABLE 76 EXCITATION SYSTEMS MARKET IN MEXICO, BY TYPE, 2020–2026 (USD MILLION)

10.4 EUROPE

10.4.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN EUROPE 10.4.2 BY TYPE

TABLE 77 EXCITATION SYSTEMS MARKET IN EUROPE, BY TYPE, 2016–2019 (USD MILLION)

TABLE 78 EXCITATION SYSTEMS MARKET IN EUROPE, BY TYPE, 2020–2026 (USD MILLION)

10.4.3 BY CONTROLLER TYPE

TABLE 79 EXCITATION SYSTEMS MARKET IN EUROPE, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)

TABLE 80 EXCITATION SYSTEMS MARKET IN EUROPE, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.4.4 BY APPLICATION

TABLE 81 EXCITATION SYSTEMS MARKET IN EUROPE, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 82 EXCITATION SYSTEMS MARKET IN EUROPE, BY APPLICATION, 2020–2026 (USD MILLION)

10.4.5 BY END USER

TABLE 83 EXCITATION SYSTEMS MARKET IN EUROPE, BY END USER, 2019–2026 (USD MILLION)

10.4.5.1 By power generation industry

TABLE 84 EXCITATION SYSTEMS MARKET IN EUROPE FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)

10.4.5.2 By heavy industries

TABLE 85 EXCITATION SYSTEMS MARKET IN EUROPE FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

10.4.6 BY COUNTRY

TABLE 86 EXCITATION SYSTEMS MARKET IN EUROPE, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 87 EXCITATION SYSTEMS MARKET IN EUROPE, BY COUNTRY, 2020–2026 (USD MILLION)

10.4.6.1 Russia

10.4.6.1.1 Substantial investments in T&D sector

TABLE 88 EXCITATION SYSTEMS MARKET IN RUSSIA, BY TYPE, 2016–2019 (USD



MILLION)

TABLE 89 EXCITATION SYSTEMS MARKET IN RUSSIA, BY TYPE, 2020–2026 (USD MILLION)

10.4.6.2 Germany

10.4.6.2.1 Strong focus on development of manufacturing sector

TABLE 90 EXCITATION SYSTEMS MARKET IN GERMANY, BY TYPE, 2016–2019 (USD MILLION)

TABLE 91 EXCITATION SYSTEMS MARKET IN GERMANY, BY TYPE, 2020–2026 (USD MILLION)

10.4.6.3 UK

10.4.6.3.1 Government initiative to improve maritime trade

TABLE 92 EXCITATION SYSTEMS MARKET IN UK, BY TYPE, 2016–2019 (USD MILLION)

TABLE 93 EXCITATION SYSTEMS MARKET IN UK, BY TYPE, 2020–2026 (USD MILLION)

10.4.6.4 Italy

10.4.6.4.1 Thriving industrial sector in Italy

TABLE 94 EXCITATION SYSTEMS MARKET IN ITALY, BY TYPE, 2016–2019 (USD MILLION)

TABLE 95 EXCITATION SYSTEMS MARKET IN ITALY, BY TYPE, 2020–2026 (USD MILLION)

10.4.6.5 Norway

10.4.6.5.1 High dependence on hydroelectric power plants

TABLE 96 EXCITATION SYSTEMS MARKET IN NORWAY, BY TYPE, 2016–2019 (USD MILLION)

TABLE 97 EXCITATION SYSTEMS MARKET IN NORWAY, BY TYPE, 2020–2026 (USD MILLION)

10.4.6.6 Rest of Europe

TABLE 98 EXCITATION SYSTEMS MARKET IN REST OF EUROPE, BY TYPE, 2016–2019 (USD MILLION)

TABLE 99 EXCITATION SYSTEMS MARKET IN REST OF EUROPE, BY TYPE, 2020–2026 (USD MILLION)

10.5 SOUTH AMERICA

10.5.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN SOUTH AMERICA

10.5.2 BY TYPE

TABLE 100 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 101 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY TYPE,



2020-2026 (USD MILLION)

10.5.3 BY CONTROLLER TYPE

TABLE 102 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)

TABLE 103 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.5.4 BY APPLICATION

TABLE 104 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 105 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY APPLICATION, 2020–2026 (USD MILLION)

10.5.5 BY END USER

TABLE 106 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY END USER, 2019–2026 (USD MILLION)

10.5.5.1 By power generation industry

TABLE 107 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)

10.5.5.2 BY heavy industries

TABLE 108 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

10.5.6 BY COUNTRY

TABLE 109 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 110 EXCITATION SYSTEMS MARKET IN SOUTH AMERICA, BY COUNTRY, 2020–2026 (USD MILLION)

10.5.6.1 Brazil

10.5.6.1.1 Increasing investments in oil & gas and hydropower projects to fuel demand for excitation systems

TABLE 111 EXCITATION SYSTEMS MARKET IN BRAZIL, BY TYPE, 2016–2019 (USD MILLION)

TABLE 112 EXCITATION SYSTEMS MARKET IN BRAZIL, BY TYPE, 2020–2026 (USD MILLION)

10.5.6.2 Argentina

10.5.6.2.1 Growing dependence on thermal power and surging naval budgets to support excitation systems market growth

TABLE 113 EXCITATION SYSTEMS MARKET IN ARGENTINA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 114 EXCITATION SYSTEMS MARKET IN ARGENTINA, BY TYPE, 2020–2026 (USD MILLION)



10.5.6.3 Rest of South America

TABLE 115 EXCITATION SYSTEMS MARKET IN REST OF SOUTH AMERICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 116 EXCITATION SYSTEMS MARKET IN REST OF SOUTH AMERICA, BY TYPE, 2020–2026 (USD MILLION)

10.6 MIDDLE EAST

10.6.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN MIDDLE EAST

10.6.2 BY TYPE

TABLE 117 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY TYPE, 2016–2019 (USD MILLION)

TABLE 118 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY TYPE, 2020–2026 (USD MILLION)

10.6.3 BY CONTROLLER TYPE

TABLE 119 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)

TABLE 120 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.6.4 BY APPLICATION

TABLE 121 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 122 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY APPLICATION, 2020–2026 (USD MILLION)

10.6.5 BY END USER

TABLE 123 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY END USER, 2019–2026 (USD MILLION)

10.6.5.1 By power generation industry

TABLE 124 EXCITATION SYSTEMS MARKET IN MIDDLE EAST FOR POWER GENERATION INDUSTRY, BY TYPE, 2019–2026 (USD MILLION)

10.6.5.2 BY heavy industries

TABLE 125 EXCITATION SYSTEMS MARKET IN MIDDLE EAST FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

10.6.6 BY COUNTRY

TABLE 126 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 127 EXCITATION SYSTEMS MARKET IN MIDDLE EAST, BY COUNTRY, 2020–2026 (USD MILLION)

10.6.6.1 Saudi Arabia

10.6.6.1.1 Government initiatives to meet rising demand for energy to foster market



growth

TABLE 128 EXCITATION SYSTEMS MARKET IN SAUDI ARABIA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 129 EXCITATION SYSTEMS MARKET IN SAUDI ARABIA, BY TYPE, 2020–2026 (USD MILLION)

10.6.6.2 Oman

10.6.6.2.1 Thriving oil & gas sector to encourage demand for excitation systems TABLE 130 EXCITATION SYSTEMS MARKET IN OMAN, BY TYPE, 2016–2019 (USD MILLION)

TABLE 131 EXCITATION SYSTEMS MARKET IN OMAN, BY TYPE, 2020–2026 (USD MILLION)

10.6.6.3 Qatar

10.6.6.3.1 Huge investment in heavy industries to fuel market growth

TABLE 132 EXCITATION SYSTEMS MARKET IN QATAR, BY TYPE, 2016–2019 (USD MILLION)

TABLE 133 EXCITATION SYSTEMS MARKET IN QATAR, BY TYPE, 2020–2026 (USD MILLION)

10.6.6.4 UAE

10.6.6.4.1 Government initiatives toward digitalization for energy conservation to accelerate demand for excitation systems

TABLE 134 EXCITATION SYSTEMS MARKET IN UAE, BY TYPE, 2016–2019 (USD MILLION)

TABLE 135 EXCITATION SYSTEMS MARKET IN UAE, BY TYPE, 2020–2026 (USD MILLION)

10.6.6.5 Rest of Middle East

TABLE 136 EXCITATION SYSTEMS MARKET IN REST OF MIDDLE EAST, BY TYPE, 2016–2019 (USD MILLION)

TABLE 137 EXCITATION SYSTEMS MARKET IN REST OF MIDDLE EAST, BY TYPE, 2020–2026 (USD MILLION)

10.7 AFRICA

10.7.1 IMPACT OF COVID-19 ON EXCITATION SYSTEMS MARKET IN AFRICA 10.7.2 BY TYPE

TABLE 138 EXCITATION SYSTEMS MARKET IN AFRICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 139 EXCITATION SYSTEMS MARKET IN AFRICA, BY TYPE, 2020–2026 (USD MILLION)

10.7.3 BY CONTROLLER TYPE

TABLE 140 EXCITATION SYSTEMS MARKET IN AFRICA, BY CONTROLLER TYPE, 2016–2019 (USD MILLION)



TABLE 141 EXCITATION SYSTEMS MARKET IN AFRICA, BY CONTROLLER TYPE, 2020–2026 (USD MILLION)

10.7.4 BY APPLICATION

TABLE 142 EXCITATION SYSTEMS MARKET IN AFRICA, BY APPLICATION, 2016–2019 (USD MILLION)

TABLE 143 EXCITATION SYSTEMS MARKET IN AFRICA, BY APPLICATION, 2020–2026 (USD MILLION)

10.7.5 BY END USER

TABLE 144 EXCITATION SYSTEMS MARKET IN AFRICA, BY END USER, 2019–2026 (USD MILLION)

10.7.5.1 By power generation industry

TABLE 145 EXCITATION SYSTEMS MARKET IN AFRICA FOR POWER GENERATION INDUSTRY, BY TYPE, 2020–2026 (USD MILLION)

10.7.5.2 By heavy industries

TABLE 146 EXCITATION SYSTEMS MARKET IN AFRICA FOR HEAVY INDUSTRIES, BY TYPE, 2019–2026 (USD MILLION)

10.7.6 BY COUNTRY

TABLE 147 EXCITATION SYSTEMS MARKET IN AFRICA, BY COUNTRY, 2016–2019 (USD MILLION)

TABLE 148 EXCITATION SYSTEMS MARKET IN AFRICA, BY COUNTRY, 2020–2026 (USD MILLION)

10.7.6.1 Egypt

10.7.6.1.1 Significant investment in oil & gas and intense need to meet increasing power demand

TABLE 149 EXCITATION SYSTEMS MARKET IN EGYPT, BY TYPE, 2016–2019 (USD MILLION)

TABLE 150 EXCITATION SYSTEMS MARKET IN EGYPT, BY TYPE, 2020–2026 (USD MILLION)

10.7.6.2 South Africa

10.7.6.2.1 Urgent need to upgrade power infrastructure to prevent power outages TABLE 151 EXCITATION SYSTEMS MARKET IN SOUTH AFRICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 152 EXCITATION SYSTEMS MARKET IN SOUTH AFRICA, BY TYPE, 2020–2026 (USD MILLION)

10.7.6.3 Nigeria

10.7.6.3.1 Supportive hydro power policies of government

TABLE 153 EXCITATION SYSTEMS MARKET IN NIGERIA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 154 EXCITATION SYSTEMS MARKET IN NIGERIA, BY TYPE, 2020–2026



(USD MILLION)

10.7.6.4 Algeria

10.7.6.4.1 Increased power demand in country

TABLE 155 EXCITATION SYSTEMS MARKET IN ALGERIA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 156 EXCITATION SYSTEMS MARKET IN ALGERIA, BY TYPE, 2020–2026 (USD MILLION)

10.7.6.5 Rest of Africa

TABLE 157 EXCITATION SYSTEMS MARKET IN REST OF AFRICA, BY TYPE, 2016–2019 (USD MILLION)

TABLE 158 EXCITATION SYSTEMS MARKET IN REST OF AFRICA, BY TYPE, 2020–2026 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 KEY PLAYERS' STRATEGIES

FIGURE 38 OVERVIEW OF KEY STRATEGIES ADOPTED BY TOP PLAYERS, 2018–2020

11.2 SHARE ANALYSIS OF TOP 5 PLAYERS

TABLE 159 EXCITATION SYSTEMS MARKET: DEGREE OF COMPETITION

FIGURE 39 EXCITATION SYSTEM MARKET SHARE ANALYSIS, 2019

11.3 MARKET EVALUATION FRAMEWORK

TABLE 160 MARKET EVALUATION FRAMEWORK, 2018–2020

11.4 REVENUE ANALYSIS OF TOP 5 MARKET PLAYERS

FIGURE 40 TOP 5 PLAYERS DOMINATED MARKET IN LAST 5 YEARS

11.5 COMPANY EVALUATION QUADRANT

11.5.1 STAR

11.5.2 EMERGING LEADER

11.5.3 PERVASIVE

11.5.4 PARTICIPANT

FIGURE 41 COMPETITIVE LEADERSHIP MAPPING: EXCITATION SYSTEMS MARKET, 2019

TABLE 161 COMPANY APPLICATION FOOTPRINT

TABLE 162 COMPANY END USER FOOTPRINT

TABLE 163 COMPANY REGION FOOTPRINT

11.6 COMPETITIVE SCENARIO

TABLE 164 EXCITATION SYSTEMS MARKET: PRODUCT LAUNCHES AND

DEVELOPMENTS, JANUARY 2018-DECEMBER 2020

TABLE 165 EXCITATION SYSTEMS MARKET: DEALS, JANUARY 2018-DECEMBER



2020

12 COMPANY PROFILES

12.1 MAJOR PLAYERS

12.1.1 ABB

(Business and financial overview, Products offered, Recent developments, MnM view, Key strengths/Right to win, Strategic choices made, and Weaknesses and competitive threats)*

TABLE 166 ABB: BUSINESS OVERVIEW FIGURE 42 ABB: COMPANY SNAPSHOT

12.1.2 GENERAL ELECTRIC

TABLE 167 GENERAL ELECTRIC: BUSINESS OVERVIEW FIGURE 43 GENERAL ELECTRIC: COMPANY SNAPSHOT

12.1.3 SIEMENS ENERGY

TABLE 168 SIEMENS ENERGY: BUSINESS OVERVIEW FIGURE 44 SIEMENS ENERGY: COMPANY SNAPSHOT

12.1.4 EMERSON

TABLE 169 EMERSON: BUSINESS OVERVIEW FIGURE 45 EMERSON: COMPANY SNAPSHOT

12.1.5 ANDRITZ GROUP

TABLE 170 ANDRITZ GROUP: BUSINESS OVERVIEW FIGURE 46 ANDRITZ GROUP: COMPANY SNAPSHOT

12.1.6 NIDEC CORPORATION

TABLE 171 NIDEC CORPORATION: BUSINESS OVERVIEW FIGURE 47 NIDEC CORPORATION: COMPANY SNAPSHOT

12.1.7 MELROSE INDUSTRIES PLC

TABLE 172 MELROSE INDUSTRIES PLC: BUSINESS OVERVIEW FIGURE 48 MELROSE INDUSTRIES PLC: COMPANY SNAPSHOT

12.1.8 VOITH GROUP

TABLE 173 VOITH GROUP: BUSINESS OVERVIEW FIGURE 49 VOITH GROUP: COMPANY SNAPSHOT

12.1.9 KON?AR GROUP

TABLE 174 KON?AR GROUP: BUSINESS OVERVIEW FIGURE 50 KON?AR GROUP: COMPANY SNAPSHOT

12.1.10 MITSUBISHI ELECTRIC CORPORATION

TABLE 175 MITSUBISHI ELECTRIC CORPORATION: BUSINESS OVERVIEW FIGURE 51 MITSUBISHI ELECTRIC CORPORATION: COMPANY SNAPSHOT 12.1.11 WEG



TABLE 176 WEG: BUSINESS OVERVIEW FIGURE 52 WEG: COMPANY SNAPSHOT

12.1.12 BASLER ELECTRIC

12.1.13 AMTECH POWER

12.1.14 VEO OY

12.1.15 TENEL, S.R.O.

TABLE 177 TENEL, S.R.O.: BUSINESS OVERVIEW,2020

12.2 OTHER PLAYERS

12.2.1 REIVAX

12.2.2 BIRR MACHINES AG

12.2.3 EXCITATION & ENGINEERING SERVICES LTD.

12.2.4 NELUMBO ICONA CONTROLS PVT. LTD.

12.2.5 SVEA POWER

*Details on Business and financial overview, Products offered, Recent developments, MnM view, Key strengths/Right to win, Strategic choices made, and Weaknesses and competitive threats might not be captured in case of unlisted companies.

13 APPENDIX

- 13.1 INSIGHTS OF INDUSTRY EXPERTS
- 13.2 DISCUSSION GUIDE
- 13.3 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 13.4 AVAILABLE CUSTOMIZATIONS
- 13.5 RELATED REPORTS
- 13.6 AUTHOR DETAILS



I would like to order

Product name: Excitation Systems Market by Type (Static and Brushless), Controller Type (Analog and

Digital), Application (Synchronous Generators and Synchronous Motors), End User

(Power Generation, Heavy Industries, and OEMs) and Region - Global Forecast to 2026

Product link: https://marketpublishers.com/r/EAF6A99F7571EN.html

Price: US\$ 4,950.00 (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/EAF6A99F7571EN.html