

# Satellite Propulsion System Market Forecasts to 2028 – Global Analysis By Type (All-Electric Propulsion Satellites, Chemical Propulsion), Launch Vehicle (Solid Propulsion System, Liquid Propulsion System), and By Geography

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## Abstracts

According to Statistics MRC, the Global Satellite Propulsion System Market is accounted for \$6.81 billion in 2020 and is expected to reach \$25.96 billion by 2028 growing at a CAGR of 18.2% during the forecast period. The advent of low-cost satellites, cost-effective solutions, raising the use of satellites in the defense sector, and advancement of sustainable space launch vehicles are driving the market growth. However, a stringent government policy is hampering the growth of the market.

Satellite propulsion is a process used to accelerate a satellite. Satellite propulsion or in-space propulsion completely deals with propulsion systems used in the vacuum of space. Satellite propulsion systems are designed to deliver specific impulse bits for accurate control of satellite locations or altitudes. The satellites are propelled through launch vehicles into the earth's orbits. They use boosters to supply initial thrust and decrease the bulk of further stages, hence permitting for larger payloads to be carried into the orbit. Not merely the launch pads but also the satellites in the orbit want propulsion systems used to accelerate/power into the orbit.

Based on the propulsion type, the cold gas propulsion segment is going to have lucrative growth during the forecast period. Cold gas propulsion technology depends on mounting the gas to produce thrust through a nozzle. It permits the propellant to flow from a propellant storage tank to a converging nozzle from which it enlarges into open space. Besides, cold gas propulsion systems are characterized by a low specific impulse of tens to a few hundred seconds, reliant on the propellant atomic mass,

relative to chemical or electric propulsion systems.

By geography, North America is going to have high growth during the forecast period. Due to the high existence of chief players in this province and the entry of new entrants in the market, who are involved in the expansion of advanced space propulsion systems for space launch vehicles are subsidizing the growth of the market. Additionally, constant government funding for the continuous advancement of high-powered solar electric propulsion technologies will permit more efficiency in orbit transfer.

Some of the key players profiled in the Satellite Propulsion System Market include Airbus Group SE, Aerojet Rocketdyne Holdings Inc, Moog Inc, Busek Co. Inc, Bellatrix Aerospace Pvt Limited, Exotrail Sa, Enpulsion Gmbh, Cobham Plc, Ball Corporation, Bellatrix Aerospace (India) Pvt Ltd, Boeing Company The, Mitsubishi Electric Corporation, Ohb Se, Orbital Atk Inc, Safran, Thales Group.

#### Types Covered:

All-Electric Propulsion Satellites

Chemical Propulsion

Electric Propulsion

#### Launch Vehicles Covered:

Solid Propulsion System

Liquid Propulsion System

Hybrid Propulsion System

Bipropellant Propulsion System

Monopropellant Propulsion System

Pneumatic Propulsion System

### Propulsion Types Covered:

Cold Gas Propulsion

Ambipolar Thrusters

Green Liquid Propulsion

Pulsed Plasma Propulsion

Water Electrolyzed

### Pulsed Plasma Thrusters Covered:

Hydrazine

Micro Electro spray Propulsion

Iodine Hall Propulsion

Solar Sail Propulsion

### Applications Covered:

Applications Satellite

Geostationary Satellites

Geosynchronous Satellites

Low Earth Orbits Satellites

Microsatellite

Nano Satellite

Science Satellite

## Technology Experiment Satellite

### Distribution Channels Covered:

Offline

Online

### End Users Covered:

Commercial

Government Military

### 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 2018, 2019, 2020, 2024 and 2027

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

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry



## **5 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 All-Electric Propulsion Satellites
- 5.3 Chemical Propulsion
- 5.4 Electric Propulsion

## **6 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY LAUNCH VEHICLE**

- 6.1 Introduction
- 6.2 Solid Propulsion System
- 6.3 Liquid Propulsion System
- 6.4 Hybrid Propulsion System
- 6.5 Bipropellant Propulsion System
- 6.6 Monopropellant Propulsion System
- 6.7 Pneumatic Propulsion System

## **7 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY PROPULSION TYPE**

- 7.1 Introduction
- 7.2 Ambipolar Thrusters
- 7.3 Cold Gas Propulsion
- 7.4 Green Liquid Propulsion
- 7.5 Pulsed Plasma Propulsion
- 7.6 Water Electrolyzed

## **8 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY PULSED PLASMA THRUSTERS**

- 8.1 Introduction
- 8.2 Hydrazine
- 8.3 Micro Electro spray Propulsion
- 8.4 Iodine Hall Propulsion
- 8.5 Solar Sail Propulsion

## **9 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY APPLICATION**

- 9.1 Introduction
- 9.2 Applications Satellite

- 9.3 Geostationary Satellites
- 9.4 Geosynchronous Satellites
- 9.5 Low Earth Orbits Satellites
- 9.6 Microsatellite
- 9.7 Nano Satellite
- 9.8 Science Satellite
- 9.9 Technology Experiment Satellite

## **10 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY DISTRIBUTION CHANNEL**

- 10.1 Introduction
- 10.2 Offline
- 10.3 Online

## **11 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY END USER**

- 11.1 Introduction
- 11.2 Commercial
- 11.3 Government Military

## **12 GLOBAL SATELLITE PROPULSION SYSTEM MARKET, BY GEOGRAPHY**

- 12.1 Introduction
- 12.2 North America
  - 12.2.1 US
  - 12.2.2 Canada
  - 12.2.3 Mexico
- 12.3 Europe
  - 12.3.1 Germany
  - 12.3.2 UK
  - 12.3.3 Italy
  - 12.3.4 France
  - 12.3.5 Spain
  - 12.3.6 Rest of Europe
- 12.4 Asia Pacific
  - 12.4.1 Japan
  - 12.4.2 China
  - 12.4.3 India

- 12.4.4 Australia
- 12.4.5 New Zealand
- 12.4.6 South Korea
- 12.4.7 Rest of Asia Pacific
- 12.5 South America
  - 12.5.1 Argentina
  - 12.5.2 Brazil
  - 12.5.3 Chile
  - 12.5.4 Rest of South America
- 12.6 Middle East & Africa
  - 12.6.1 Saudi Arabia
  - 12.6.2 UAE
  - 12.6.3 Qatar
  - 12.6.4 South Africa
  - 12.6.5 Rest of Middle East & Africa

## **13 KEY DEVELOPMENTS**

- 13.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 13.2 Acquisitions & Mergers
- 13.3 New Product Launch
- 13.4 Expansions
- 13.5 Other Key Strategies

## **14 COMPANY PROFILING**

- 14.1 Airbus Group SE
- 14.2 Aerojet Rocketdyne Holdings Inc
- 14.3 Moog Inc
- 14.4 Busek Co. Inc
- 14.5 Bellatrix Aerospace Pvt Limited
- 14.6 Exotrail Sa
- 14.7 Enpulsion Gmbh
- 14.8 Cobham Plc
- 14.9 Ball Corporation
- 14.10 Bellatrix Aerospace (India) Pvt Ltd
- 14.11 Boeing Company The
- 14.12 Mitsubishi Electric Corporation
- 14.13 Ohb Se

14.14 Orbital Atk Inc

14.15 Safran

14.16 Thales Group

## List Of Tables

### LIST OF TABLES

Table 1 Global Satellite Propulsion System Market Outlook, By Region (2019-2028) (US \$MN)

Table 2 Global Satellite Propulsion System Market Outlook, By Type (2019-2028) (US \$MN)

Table 3 Global Satellite Propulsion System Market Outlook, By All-Electric Propulsion Satellites (2019-2028) (US \$MN)

Table 4 Global Satellite Propulsion System Market Outlook, By Chemical Propulsion (2019-2028) (US \$MN)

Table 5 Global Satellite Propulsion System Market Outlook, By Electric Propulsion (2019-2028) (US \$MN)

Table 6 Global Satellite Propulsion System Market Outlook, By Launch Vehicle (2019-2028) (US \$MN)

Table 7 Global Satellite Propulsion System Market Outlook, By Solid Propulsion System (2019-2028) (US \$MN)

Table 8 Global Satellite Propulsion System Market Outlook, By Liquid Propulsion System (2019-2028) (US \$MN)

Table 9 Global Satellite Propulsion System Market Outlook, By Hybrid Propulsion System (2019-2028) (US \$MN)

Table 10 Global Satellite Propulsion System Market Outlook, By Bipropellant Propulsion System (2019-2028) (US \$MN)

Table 11 Global Satellite Propulsion System Market Outlook, By Monopropellant Propulsion System (2019-2028) (US \$MN)

Table 12 Global Satellite Propulsion System Market Outlook, By Pneumatic Propulsion System (2019-2028) (US \$MN)

Table 13 Global Satellite Propulsion System Market Outlook, By Propulsion Type (2019-2028) (US \$MN)

Table 14 Global Satellite Propulsion System Market Outlook, By Ambipolar Thrusters (2019-2028) (US \$MN)

Table 15 Global Satellite Propulsion System Market Outlook, By Cold Gas Propulsion (2019-2028) (US \$MN)

Table 16 Global Satellite Propulsion System Market Outlook, By Green Liquid Propulsion (2019-2028) (US \$MN)

Table 17 Global Satellite Propulsion System Market Outlook, By Pulsed Plasma Propulsion (2019-2028) (US \$MN)

Table 18 Global Satellite Propulsion System Market Outlook, By Water Electrolyzed

(2019-2028) (US \$MN)

Table 19 Global Satellite Propulsion System Market Outlook, By Pulsed Plasma Thrusters (2019-2028) (US \$MN)

Table 20 Global Satellite Propulsion System Market Outlook, By Hydrazine (2019-2028) (US \$MN)

Table 21 Global Satellite Propulsion System Market Outlook, By Micro Electro Spray Propulsion (2019-2028) (US \$MN)

Table 22 Global Satellite Propulsion System Market Outlook, By Iodine Hall Propulsion (2019-2028) (US \$MN)

Table 23 Global Satellite Propulsion System Market Outlook, By Solar Sail Propulsion (2019-2028) (US \$MN)

Table 24 Global Satellite Propulsion System Market Outlook, By Application (2019-2028) (US \$MN)

Table 25 Global Satellite Propulsion System Market Outlook, By Applications Satellite (2019-2028) (US \$MN)

Table 26 Global Satellite Propulsion System Market Outlook, By Geostationary Satellites (2019-2028) (US \$MN)

Table 27 Global Satellite Propulsion System Market Outlook, By Geosynchronous Satellites (2019-2028) (US \$MN)

Table 28 Global Satellite Propulsion System Market Outlook, By Low Earth Orbits Satellites (2019-2028) (US \$MN)

Table 29 Global Satellite Propulsion System Market Outlook, By Microsatellite (2019-2028) (US \$MN)

Table 30 Global Satellite Propulsion System Market Outlook, By Nano Satellite (2019-2028) (US \$MN)

Table 31 Global Satellite Propulsion System Market Outlook, By Science Satellite (2019-2028) (US \$MN)

Table 32 Global Satellite Propulsion System Market Outlook, By Technology Experiment Satellite (2019-2028) (US \$MN)

Table 33 Global Satellite Propulsion System Market Outlook, By Distribution Channel (2019-2028) (US \$MN)

Table 34 Global Satellite Propulsion System Market Outlook, By Offline (2019-2028) (US \$MN)

Table 35 Global Satellite Propulsion System Market Outlook, By Online (2019-2028) (US \$MN)

Table 36 Global Satellite Propulsion System Market Outlook, By End User (2019-2028) (US \$MN)

Table 37 Global Satellite Propulsion System Market Outlook, By Commercial (2019-2028) (US \$MN)

Table 38 Global Satellite Propulsion System Market Outlook, By Government Military (2019-2028) (US \$MN)

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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