

Electronic Positioning System (EPS) Market Outlook 2025-2034: Market Share, and Growth Analysis By Application(Navigation,Surveying,Mapping),By Product Type, By End User, By Technology

<https://marketpublishers.com/r/EA944D1C1234EN.html>

Date: July 2025

Pages: 150

Price: US\$ 3,950.00 (Single User License)

ID: EA944D1C1234EN

Abstracts

The global Electronic Positioning System (EPS) Market size is valued at USD 10.8 billion in 2024 and is projected to reach USD 21.6 billion by 2032, registering a compound annual growth rate (CAGR) of 9.03% over the forecast period.

The electronic positioning system market is witnessing steady growth driven by increasing adoption in construction machinery, industrial automation, healthcare devices, and navigation systems. EPS provides precise positional feedback using sensors, encoders, and software algorithms to control machinery movement, robotic arms, or patient beds. Manufacturers are focusing on integrating GPS, inertial sensors, and AI-based data processing to enhance accuracy, reduce latency, and enable autonomous operations. Growth is supported by rising demand for automated material handling, construction equipment guidance systems, and precision agriculture machinery. Challenges include integration complexities with legacy systems, cybersecurity concerns in autonomous positioning, and high initial costs for advanced systems. Recent developments include Trimble launching AI-integrated EPS for construction automation, Topcon introducing precision positioning systems for agricultural machinery, and Siemens enhancing EPS solutions for industrial robotics with cloud-based analytics.

Major trends include integration of GPS, inertial, and AI sensor fusion for high-precision, real-time positioning in industrial, construction, and healthcare applications.

Drivers are increasing automation in construction and agriculture, rising industrial

robotics deployment, and healthcare positioning needs for beds and surgical equipment.

Challenges include integration complexities with legacy systems, data security concerns in cloud-connected EPS, and high costs limiting adoption in small operations.

Companies focus on enhancing sensor accuracy, reducing system latency for real-time operations, and developing scalable EPS solutions with modular designs for diverse industries.

Recent developments include Trimble launching AI-integrated EPS for construction, Topcon introducing precision agriculture positioning systems, and Siemens enhancing EPS with cloud analytics for robotics.

Electronic Positioning System (EPS) Market Size Data, Trends, Growth Opportunities, and Restraining Factors

This comprehensive Electronic Positioning System (EPS) market report delivers updated market size estimates from 2024 to 2034, offering in-depth analysis of the latest Electronic Positioning System (EPS) market trends, short-term and long-term growth drivers, competitive landscape, and new business opportunities. The report presents growth forecasts across key Electronic Positioning System (EPS) types, applications, and major segments, alongside detailed insights into the current Electronic Positioning System (EPS) market scenario to support companies in formulating effective market strategies.

The Electronic Positioning System (EPS) market outlook thoroughly examines the impact of ongoing supply chain disruptions and geopolitical issues worldwide. Factors such as trade tariffs, regulatory restrictions, production losses, and the emergence of alternatives or substitutes are carefully considered in the Electronic Positioning System (EPS) market size projections. Additionally, the analysis highlights the effects of inflation and correlates past economic downturns with current Electronic Positioning System (EPS) market trends, providing actionable intelligence for stakeholders to navigate the evolving Electronic Positioning System (EPS) business environment with precision.

Electronic Positioning System (EPS) Market Competition, Intelligence, Key Players, winning strategies to 2034

The 2025 Electronic Positioning System (EPS) Market Research Report identifies

winning strategies for companies to register increased sales and improve market share.

Opinions from senior executives from leading companies in the Electronic Positioning System (EPS) market are imbibed thoroughly and the Electronic Positioning System (EPS) industry expert predictions on the economic downturn, technological advancements in the Electronic Positioning System (EPS) market, and customized strategies specific to a product and geography are mentioned.

The Electronic Positioning System (EPS) market report is a source of comprehensive data and analysis of the industry, helping businesses to make informed decisions and stay ahead of the competition. The Electronic Positioning System (EPS) market study assists investors in analyzing On Electronic Positioning System (EPS) business prospects by region, key countries, and top companies' information to channel their investments.

The report provides insights into consumer behavior and preferences, including their buying patterns, brand loyalty, and factors influencing their purchasing decisions. It also includes an analysis of the regulatory environment and its impact on the Electronic Positioning System (EPS) industry. Shifting consumer demand despite declining GDP and burgeoning interest rates to control surging inflation is well detailed.

What's Included in the Report

Global Electronic Positioning System (EPS) market size and growth projections, 2024- 2034

North America Electronic Positioning System (EPS) market size and growth forecasts, 2024- 2034 (United States, Canada, Mexico)

Europe market size and growth forecasts, 2024- 2034 (Germany, France, United Kingdom, Italy, Spain)

Asia-Pacific Electronic Positioning System (EPS) market size and growth forecasts, 2024- 2034 (China, India, Japan, South Korea, Australia)

Middle East Africa Electronic Positioning System (EPS) market size and growth estimate, 2024- 2034 (Middle East, Africa)

South and Central America Electronic Positioning System (EPS) market size

and growth outlook, 2024- 2034 (Brazil, Argentina, Chile)

Electronic Positioning System (EPS) market size, share and CAGR of key products, applications, and other verticals, 2024- 2034

Short- and long-term Electronic Positioning System (EPS) market trends, drivers, challenges, and opportunities

Electronic Positioning System (EPS) market insights, Porter's Five Forces analysis

Profiles of 5 leading companies in the industry- overview, key strategies, financials, product portfolio and SWOT analysis

Latest market news and developments

Key Questions Answered in This Report :

What is the current Electronic Positioning System (EPS) market size at global, regional, and country levels?

What is the market penetration of different types, Applications, processes/technologies, and distribution/sales channels of the Electronic Positioning System (EPS) market?

What will be the impact of economic slowdown/recission on Electronic Positioning System (EPS) demand/sales?

How has the global Electronic Positioning System (EPS) market evolved in past years and what will be the future trajectory?

What is the impact of growing inflation, Russia-Ukraine war on the Electronic Positioning System (EPS) market forecast?

What are the Supply chain challenges for Electronic Positioning System (EPS)?

What are the potential regional Electronic Positioning System (EPS) markets to invest in?

What is the product evolution and high-performing products to focus in the Electronic Positioning System (EPS) market?

What are the key driving factors and opportunities in the industry?

Who are the key players in Electronic Positioning System (EPS) market and what is the degree of competition/Electronic Positioning System (EPS) market share?

What is the market structure /Electronic Positioning System (EPS) Market competitive Intelligence?

Available Customizations

The standard syndicate report is designed to serve the common interests of Electronic Positioning System (EPS) Market players across the value chain, and include selective data and analysis from entire research findings as per the scope and price of the publication.

However, to precisely match the specific research requirements of individual clients, we offer several customization options to include the data and analysis of interest in the final deliverable.

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Processing and manufacturing requirements, Patent Analysis, Technology Trends, and Product Innovations

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Electronic Positioning System (EPS) Market Segmentation

By Product

Standalone EPS

Integrated EPS

By Application

Navigation

Surveying

Mapping

By End User

Aerospace

Automotive

Marine

Consumer

By Technology

GPS

GNSS

RFID

By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Rest of Europe)

Asia-Pacific (China, India, Japan, Australia, Vietnam, Rest of APAC)

The Middle East and Africa (Middle East, Africa)

South and Central America (Brazil, Argentina, Rest of SCA)

Top Companies Analysed

Trimble Inc.

Hexagon AB

Garmin Ltd.

TomTom N.V.

Raytheon Technologies Corporation

u-blox AG

Furuno Electric Co., Ltd.

Broadcom Inc.

Collins Aerospace

Topcon Corporation

Thales Group

Septentrio N.V.

Alps Alpine Co., Ltd.

Qualcomm Incorporated

NavCom Technology, Inc.

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. ELECTRONIC POSITIONING SYSTEM (EPS) MARKET LATEST TRENDS, DRIVERS AND CHALLENGES, 2024- 2034

- 2.1 Electronic Positioning System (EPS) Market Overview
- 2.2 Market Strategies of Leading Electronic Positioning System (EPS) Companies
- 2.3 Electronic Positioning System (EPS) Market Insights, 2024- 2034
 - 2.3.1 Leading Electronic Positioning System (EPS) Types, 2024- 2034
 - 2.3.2 Leading Electronic Positioning System (EPS) End-User industries, 2024- 2034
 - 2.3.3 Fast-Growing countries for Electronic Positioning System (EPS) sales, 2024- 2034
- 2.4 Electronic Positioning System (EPS) Market Drivers and Restraints
 - 2.4.1 Electronic Positioning System (EPS) Demand Drivers to 2034
 - 2.4.2 Electronic Positioning System (EPS) Challenges to 2034
- 2.5 Electronic Positioning System (EPS) Market- Five Forces Analysis
 - 2.5.1 Electronic Positioning System (EPS) Industry Attractiveness Index, 2024
 - 2.5.2 Threat of New Entrants
 - 2.5.3 Bargaining Power of Suppliers
 - 2.5.4 Bargaining Power of Buyers
 - 2.5.5 Intensity of Competitive Rivalry
 - 2.5.6 Threat of Substitutes

3. GLOBAL ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034

- 3.1 Global Electronic Positioning System (EPS) Market Overview, 2024
- 3.2 Global Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)
- 3.3 Global Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034
- 3.4 Global Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034
- 3.5 Global Electronic Positioning System (EPS) Market Size and Share Outlook By End

User, 2024- 2034

3.6 Global Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034

3.7 Global Electronic Positioning System (EPS) Market Size and Share Outlook by Region, 2024- 2034

4. ASIA PACIFIC ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

4.1 Asia Pacific Electronic Positioning System (EPS) Market Overview, 2024

4.2 Asia Pacific Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)

4.3 Asia Pacific Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034

4.4 Asia Pacific Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034

4.5 Asia Pacific Electronic Positioning System (EPS) Market Size and Share Outlook By End User, 2024- 2034

4.6 Asia Pacific Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034

4.7 Asia Pacific Electronic Positioning System (EPS) Market Size and Share Outlook by Country, 2024- 2034

5. EUROPE ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE, AND FORECAST TO 2034

5.1 Europe Electronic Positioning System (EPS) Market Overview, 2024

5.2 Europe Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)

5.3 Europe Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034

5.4 Europe Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034

5.5 Europe Electronic Positioning System (EPS) Market Size and Share Outlook By End User, 2024- 2034

5.6 Europe Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034

5.7 Europe Electronic Positioning System (EPS) Market Size and Share Outlook by Country, 2024- 2034

6. NORTH AMERICA ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

- 6.1 North America Electronic Positioning System (EPS) Market Overview, 2024
- 6.2 North America Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)
- 6.3 North America Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034
- 6.4 North America Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034
- 6.5 North America Electronic Positioning System (EPS) Market Size and Share Outlook By End User, 2024- 2034
- 6.6 North America Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034
- 6.7 North America Electronic Positioning System (EPS) Market Size and Share Outlook by Country, 2024- 2034

7. SOUTH AND CENTRAL AMERICA ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

- 7.1 South and Central America Electronic Positioning System (EPS) Market Overview, 2024
- 7.2 South and Central America Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)
- 7.3 South and Central America Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034
- 7.4 South and Central America Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034
- 7.5 South and Central America Electronic Positioning System (EPS) Market Size and Share Outlook By End User, 2024- 2034
- 7.6 South and Central America Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034
- 7.7 South and Central America Electronic Positioning System (EPS) Market Size and Share Outlook by Country, 2024- 2034

8. MIDDLE EAST AFRICA ELECTRONIC POSITIONING SYSTEM (EPS) MARKET VALUE, MARKET SHARE AND FORECAST TO 2034

- 8.1 Middle East Africa Electronic Positioning System (EPS) Market Overview, 2024
- 8.2 Middle East and Africa Electronic Positioning System (EPS) Market Revenue and Forecast, 2024- 2034 (US\$ Million)
- 8.3 Middle East Africa Electronic Positioning System (EPS) Market Size and Share Outlook By Product, 2024- 2034
- 8.4 Middle East Africa Electronic Positioning System (EPS) Market Size and Share Outlook By Application, 2024- 2034
- 8.5 Middle East Africa Electronic Positioning System (EPS) Market Size and Share Outlook By End User, 2024- 2034
- 8.6 Middle East Africa Electronic Positioning System (EPS) Market Size and Share Outlook By Technology, 2024- 2034
- 8.7 Middle East Africa Electronic Positioning System (EPS) Market Size and Share Outlook by Country, 2024- 2034

9. ELECTRONIC POSITIONING SYSTEM (EPS) MARKET STRUCTURE

- 9.1 Key Players
- 9.2 Electronic Positioning System (EPS) Companies - Key Strategies and Financial Analysis
 - 9.2.1 Snapshot
 - 9.2.3 Business Description
 - 9.2.4 Products and Services
 - 9.2.5 Financial Analysis

10. ELECTRONIC POSITIONING SYSTEM (EPS) INDUSTRY RECENT DEVELOPMENTS

11 APPENDIX

- 11.1 Publisher Expertise
- 11.2 Research Methodology
- 11.3 Annual Subscription Plans
- 11.4 Contact Information

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