

# **Position Tracking System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Component (Hardware, Software), By Connectivity (Wired, Wireless), By Technology (RFID, GPS, GIS, WLAN), By Type (Indoor, Outdoor), By Application (Maritime, Industrial, Telemetric), By Region & Competition, 2021-2031F**

<https://marketpublishers.com/r/P4C9377B65EEEN.html>

Date: January 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: P4C9377B65EEEN

## **Abstracts**

The Global Position Tracking System Market is projected to expand from USD 112.12 Billion in 2025 to USD 350.31 Billion by 2031, achieving a compound annual growth rate of 20.91%. This market consists of a framework combining hardware devices and software applications that leverage satellite constellations, such as GNSS, to identify and monitor the real-time geographic location of individuals, vehicles, or assets. Key drivers of this growth include the rising demand for operational efficiency in supply chain management and logistics, where visibility is crucial for route optimization and inventory control. Additionally, strict government regulations requiring electronic logging devices for commercial fleet safety, along with the extensive integration of location-based services into the Internet of Things ecosystem, are significantly boosting industry adoption.

According to the GPS Innovation Alliance, over six billion GPS-enabled devices are in use globally as of 2025. Despite this widespread proliferation, the market encounters a significant obstacle regarding signal security, particularly the escalating threat of radio frequency interference, jamming, and spoofing. These disruptions compromise data reliability and threaten critical infrastructure operations, creating potential barriers to the broader reliance on these technologies for safety-critical applications.

## Market Driver

The surge in the Internet of Things (IoT) and connected devices serves as a major catalyst for the Global Position Tracking System Market. As industries proceed to digitize physical assets, the incorporation of low-power, wide-area network technologies facilitates seamless location monitoring for items ranging from shipping containers to industrial machinery. This connectivity permits businesses to collect granular data regarding asset movement and utilization, converting traditional static tracking into dynamic, intelligent ecosystems. According to the 'Ericsson Mobility Report' from June 2024, total cellular IoT connections are expected to hit 4.5 billion by the end of 2025, highlighting the immense scale of devices that require positioning capabilities and connectivity to function effectively within modern digital infrastructure.

Concurrently, the market is heavily shaped by the growth of e-commerce and the urgent need for real-time supply chain visibility. Logistics providers face pressure to optimize routes and offer transparent delivery updates to satisfy consumer expectations for accuracy and speed, prompting the adoption of advanced tracking hardware to enhance inventory management and mitigate disruptions. In the '2024 MHI Annual Industry Report' released in March 2024, 55% of supply chain leaders indicated plans to increase investments in innovation and supply chain technology to address these operational demands. This integration drives broader economic value, with the European Union Agency for the Space Programme (EUSPA) projecting in 2024 that global GNSS downstream market revenues will rise from ?260 billion in 2023 to nearly ?580 billion by 2033.

## Market Challenge

The escalating threat of radio frequency interference, particularly through spoofing and jamming, presents a significant barrier to the expansion of the Global Position Tracking System Market. These security vulnerabilities directly compromise the data integrity that underpins location-based services. When satellite signals are manipulated or disrupted, the resulting inaccuracy renders tracking systems unreliable for mission-critical tasks such as high-value asset logistics and autonomous navigation. This unreliability compels enterprises to adopt the market with caution, fearing that compromised data could result in financial losses, safety hazards, and severe operational failures.

The severity of this challenge is highlighted by recent data showing a surge in interference events. According to the International Air Transport Association (IATA), the frequency of GPS spoofing incidents increased by 500% in 2024 compared to the

previous year. Such a significant rise in signal disruption creates a volatile environment that discourages investment and delays the widespread deployment of advanced tracking solutions across vulnerable industries, as companies prioritize risk avoidance over technological expansion.

## **Market Trends**

The incorporation of Artificial Intelligence for predictive analytics is transforming the utility of position tracking data, moving the focus from reactive monitoring to proactive decision-making. Machine learning algorithms are now utilized to process real-time location datasets, allowing for the forecasting of supply chain disruptions and the optimization of delivery routes before delays arise. This capability is essential for enterprises aiming to improve resource allocation strategies and mitigate trade volatility. According to the '2024 Warehousing Vision Study' by Zebra Technologies in January 2024, 94% of warehouse logistics decision-makers intend to invest in machine learning capabilities over the next five years to bolster operational visibility.

At the same time, the advancement of indoor positioning system capabilities is addressing the coverage gap left by satellite technologies in enclosed environments. While GNSS remains the standard for outdoor tracking, industries are increasingly deploying Bluetooth Low Energy solutions to ensure precise accuracy within warehouses and healthcare facilities. This granular visibility facilitates inventory monitoring and workflow automation that were previously unachievable with satellite methods. As noted by the Bluetooth Special Interest Group in their '2024 Bluetooth Market Update' from May 2024, annual shipments of Bluetooth location services devices are projected to grow at a compound annual growth rate of 22% through 2028.

## **Key Market Players**

- Hexagon AB

- Qualcomm Incorporated

- Broadcom Inc.

- Trimble Inc.

- MiTAC Holdings Corporation

- Cisco Systems, Inc.

- RTX Corporation

- Texas Instruments Incorporated

## Report Scope

In this report, the Global Position Tracking System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- Position Tracking System Market, By Component

- Hardware

- Software

- Position Tracking System Market, By Connectivity

- Wired

- Wireless

- Position Tracking System Market, By Technology

- RFID

- GPS

- GIS

- WLAN

- Position Tracking System Market, By Type

- Indoor

- Outdoor

%li%Position Tracking System Market, By Application

%li%%li%Maritime

%li%%li%Industrial

%li%%li%Telemetric

%li%Position Tracking System Market, By Region

%li%%li%North America

%li%%li%%li%United States

%li%%li%%li%Canada

%li%%li%%li%Mexico

%li%%li%Europe

%li%%li%%li%France

%li%%li%%li%United Kingdom

%li%%li%%li%Italy

%li%%li%%li%Germany

%li%%li%%li%Spain

%li%%li%Asia Pacific

%li%%li%%li%China

%li%%li%%li%India

%li%%li%%li%Japan

- Australia

- South Korea

- South America

- Brazil

- Argentina

- Colombia

- Middle East & Africa

- South Africa

- Saudi Arabia

- UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Position Tracking System Market.

### **Available Customizations:**

Global Position Tracking System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### **Company Information**

- Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. VOICE OF CUSTOMER**

### **5. GLOBAL POSITION TRACKING SYSTEM MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Component (Hardware, Software)
  - 5.2.2. By Connectivity (Wired, Wireless)
  - 5.2.3. By Technology (RFID, GPS, GIS, WLAN)
  - 5.2.4. By Type (Indoor, Outdoor)

- 5.2.5. By Application (Maritime, Industrial, Telemetric)
- 5.2.6. By Region
- 5.2.7. By Company (2025)
- 5.3. Market Map

## **6. NORTH AMERICA POSITION TRACKING SYSTEM MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Component
  - 6.2.2. By Connectivity
  - 6.2.3. By Technology
  - 6.2.4. By Type
  - 6.2.5. By Application
  - 6.2.6. By Country
- 6.3. North America: Country Analysis
  - 6.3.1. United States Position Tracking System Market Outlook
    - 6.3.1.1. Market Size & Forecast
      - 6.3.1.1.1. By Value
    - 6.3.1.2. Market Share & Forecast
      - 6.3.1.2.1. By Component
      - 6.3.1.2.2. By Connectivity
      - 6.3.1.2.3. By Technology
      - 6.3.1.2.4. By Type
      - 6.3.1.2.5. By Application
  - 6.3.2. Canada Position Tracking System Market Outlook
    - 6.3.2.1. Market Size & Forecast
      - 6.3.2.1.1. By Value
    - 6.3.2.2. Market Share & Forecast
      - 6.3.2.2.1. By Component
      - 6.3.2.2.2. By Connectivity
      - 6.3.2.2.3. By Technology
      - 6.3.2.2.4. By Type
      - 6.3.2.2.5. By Application
  - 6.3.3. Mexico Position Tracking System Market Outlook
    - 6.3.3.1. Market Size & Forecast
      - 6.3.3.1.1. By Value
    - 6.3.3.2. Market Share & Forecast

- 6.3.3.2.1. By Component
- 6.3.3.2.2. By Connectivity
- 6.3.3.2.3. By Technology
- 6.3.3.2.4. By Type
- 6.3.3.2.5. By Application

## **7. EUROPE POSITION TRACKING SYSTEM MARKET OUTLOOK**

### 7.1. Market Size & Forecast

- 7.1.1. By Value

### 7.2. Market Share & Forecast

- 7.2.1. By Component
- 7.2.2. By Connectivity
- 7.2.3. By Technology
- 7.2.4. By Type
- 7.2.5. By Application
- 7.2.6. By Country

### 7.3. Europe: Country Analysis

#### 7.3.1. Germany Position Tracking System Market Outlook

##### 7.3.1.1. Market Size & Forecast

- 7.3.1.1.1. By Value

##### 7.3.1.2. Market Share & Forecast

- 7.3.1.2.1. By Component
- 7.3.1.2.2. By Connectivity
- 7.3.1.2.3. By Technology
- 7.3.1.2.4. By Type
- 7.3.1.2.5. By Application

#### 7.3.2. France Position Tracking System Market Outlook

##### 7.3.2.1. Market Size & Forecast

- 7.3.2.1.1. By Value

##### 7.3.2.2. Market Share & Forecast

- 7.3.2.2.1. By Component
- 7.3.2.2.2. By Connectivity
- 7.3.2.2.3. By Technology
- 7.3.2.2.4. By Type
- 7.3.2.2.5. By Application

#### 7.3.3. United Kingdom Position Tracking System Market Outlook

##### 7.3.3.1. Market Size & Forecast

- 7.3.3.1.1. By Value

- 7.3.3.2. Market Share & Forecast
  - 7.3.3.2.1. By Component
  - 7.3.3.2.2. By Connectivity
  - 7.3.3.2.3. By Technology
  - 7.3.3.2.4. By Type
  - 7.3.3.2.5. By Application
- 7.3.4. Italy Position Tracking System Market Outlook
  - 7.3.4.1. Market Size & Forecast
    - 7.3.4.1.1. By Value
  - 7.3.4.2. Market Share & Forecast
    - 7.3.4.2.1. By Component
    - 7.3.4.2.2. By Connectivity
    - 7.3.4.2.3. By Technology
    - 7.3.4.2.4. By Type
    - 7.3.4.2.5. By Application
- 7.3.5. Spain Position Tracking System Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Component
    - 7.3.5.2.2. By Connectivity
    - 7.3.5.2.3. By Technology
    - 7.3.5.2.4. By Type
    - 7.3.5.2.5. By Application

## **8. ASIA PACIFIC POSITION TRACKING SYSTEM MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Component
  - 8.2.2. By Connectivity
  - 8.2.3. By Technology
  - 8.2.4. By Type
  - 8.2.5. By Application
  - 8.2.6. By Country
- 8.3. Asia Pacific: Country Analysis
  - 8.3.1. China Position Tracking System Market Outlook
    - 8.3.1.1. Market Size & Forecast

- 8.3.1.1.1. By Value
- 8.3.1.2. Market Share & Forecast
  - 8.3.1.2.1. By Component
  - 8.3.1.2.2. By Connectivity
  - 8.3.1.2.3. By Technology
  - 8.3.1.2.4. By Type
  - 8.3.1.2.5. By Application
- 8.3.2. India Position Tracking System Market Outlook
  - 8.3.2.1. Market Size & Forecast
    - 8.3.2.1.1. By Value
  - 8.3.2.2. Market Share & Forecast
    - 8.3.2.2.1. By Component
    - 8.3.2.2.2. By Connectivity
    - 8.3.2.2.3. By Technology
    - 8.3.2.2.4. By Type
    - 8.3.2.2.5. By Application
- 8.3.3. Japan Position Tracking System Market Outlook
  - 8.3.3.1. Market Size & Forecast
    - 8.3.3.1.1. By Value
  - 8.3.3.2. Market Share & Forecast
    - 8.3.3.2.1. By Component
    - 8.3.3.2.2. By Connectivity
    - 8.3.3.2.3. By Technology
    - 8.3.3.2.4. By Type
    - 8.3.3.2.5. By Application
- 8.3.4. South Korea Position Tracking System Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Component
    - 8.3.4.2.2. By Connectivity
    - 8.3.4.2.3. By Technology
    - 8.3.4.2.4. By Type
    - 8.3.4.2.5. By Application
- 8.3.5. Australia Position Tracking System Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Component

- 8.3.5.2.2. By Connectivity
- 8.3.5.2.3. By Technology
- 8.3.5.2.4. By Type
- 8.3.5.2.5. By Application

## **9. MIDDLE EAST & AFRICA POSITION TRACKING SYSTEM MARKET OUTLOOK**

### 9.1. Market Size & Forecast

#### 9.1.1. By Value

### 9.2. Market Share & Forecast

#### 9.2.1. By Component

#### 9.2.2. By Connectivity

#### 9.2.3. By Technology

#### 9.2.4. By Type

#### 9.2.5. By Application

#### 9.2.6. By Country

### 9.3. Middle East & Africa: Country Analysis

#### 9.3.1. Saudi Arabia Position Tracking System Market Outlook

##### 9.3.1.1. Market Size & Forecast

###### 9.3.1.1.1. By Value

##### 9.3.1.2. Market Share & Forecast

###### 9.3.1.2.1. By Component

###### 9.3.1.2.2. By Connectivity

###### 9.3.1.2.3. By Technology

###### 9.3.1.2.4. By Type

###### 9.3.1.2.5. By Application

#### 9.3.2. UAE Position Tracking System Market Outlook

##### 9.3.2.1. Market Size & Forecast

###### 9.3.2.1.1. By Value

##### 9.3.2.2. Market Share & Forecast

###### 9.3.2.2.1. By Component

###### 9.3.2.2.2. By Connectivity

###### 9.3.2.2.3. By Technology

###### 9.3.2.2.4. By Type

###### 9.3.2.2.5. By Application

#### 9.3.3. South Africa Position Tracking System Market Outlook

##### 9.3.3.1. Market Size & Forecast

###### 9.3.3.1.1. By Value

##### 9.3.3.2. Market Share & Forecast

- 9.3.3.2.1. By Component
- 9.3.3.2.2. By Connectivity
- 9.3.3.2.3. By Technology
- 9.3.3.2.4. By Type
- 9.3.3.2.5. By Application

## **10. SOUTH AMERICA POSITION TRACKING SYSTEM MARKET OUTLOOK**

### 10.1. Market Size & Forecast

- 10.1.1. By Value

### 10.2. Market Share & Forecast

- 10.2.1. By Component
- 10.2.2. By Connectivity
- 10.2.3. By Technology
- 10.2.4. By Type
- 10.2.5. By Application
- 10.2.6. By Country

### 10.3. South America: Country Analysis

#### 10.3.1. Brazil Position Tracking System Market Outlook

##### 10.3.1.1. Market Size & Forecast

- 10.3.1.1.1. By Value

##### 10.3.1.2. Market Share & Forecast

- 10.3.1.2.1. By Component
- 10.3.1.2.2. By Connectivity
- 10.3.1.2.3. By Technology
- 10.3.1.2.4. By Type
- 10.3.1.2.5. By Application

#### 10.3.2. Colombia Position Tracking System Market Outlook

##### 10.3.2.1. Market Size & Forecast

- 10.3.2.1.1. By Value

##### 10.3.2.2. Market Share & Forecast

- 10.3.2.2.1. By Component
- 10.3.2.2.2. By Connectivity
- 10.3.2.2.3. By Technology
- 10.3.2.2.4. By Type
- 10.3.2.2.5. By Application

#### 10.3.3. Argentina Position Tracking System Market Outlook

##### 10.3.3.1. Market Size & Forecast

- 10.3.3.1.1. By Value

### 10.3.3.2. Market Share & Forecast

- 10.3.3.2.1. By Component
- 10.3.3.2.2. By Connectivity
- 10.3.3.2.3. By Technology
- 10.3.3.2.4. By Type
- 10.3.3.2.5. By Application

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Merger & Acquisition (If Any)
- 12.2. Product Launches (If Any)
- 12.3. Recent Developments

## **13. GLOBAL POSITION TRACKING SYSTEM MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

## **15. COMPETITIVE LANDSCAPE**

- 15.1. Hexagon AB
  - 15.1.1. Business Overview
  - 15.1.2. Products & Services
  - 15.1.3. Recent Developments
  - 15.1.4. Key Personnel
  - 15.1.5. SWOT Analysis
- 15.2. Qualcomm Incorporated
- 15.3. Broadcom Inc.
- 15.4. Trimble Inc.

- 15.5. MiTAC Holdings Corporation
- 15.6. Cisco Systems, Inc.
- 15.7. RTX Corporation
- 15.8. Texas Instruments Incorporated

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Position Tracking System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented, By Component (Hardware, Software), By Connectivity (Wired, Wireless), By Technology (RFID, GPS, GIS, WLAN), By Type (Indoor, Outdoor), By Application (Maritime, Industrial, Telemetric), By Region & Competition, 2021-2031F

Product link: <https://marketpublishers.com/r/P4C9377B65EEEN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P4C9377B65EEEN.html>