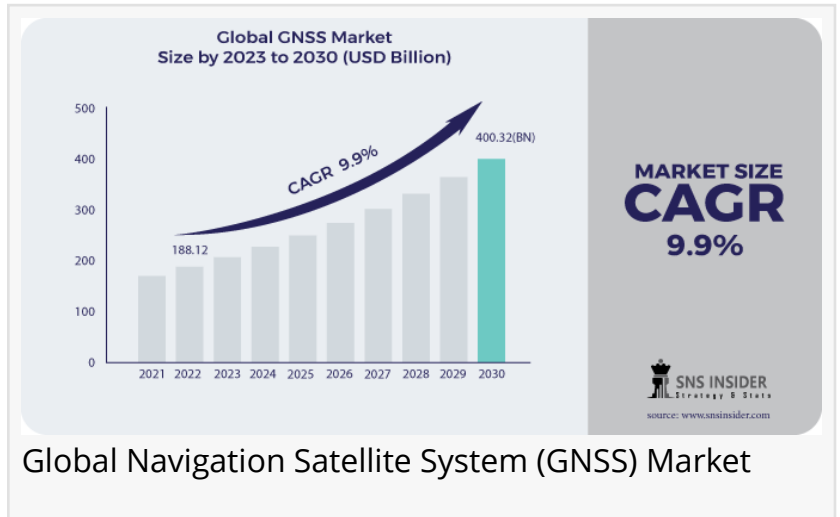


# GNSS Market to Surpass USD 400.32 Billion by 2030 on Account of Proliferation of Smartphones & Wearable Devices

*GNSS Market Size, Share & Segment By Type, By Application, By End-User, And By Regions | Global Market Forecast 2023-2030*

AUSTIN, TEXAS, UNITED STATES, January 15, 2024 /EINPresswire.com/ -- The [Global Navigation Satellite System \(GNSS\) Market](#), as per the SNS Insider report, achieved a valuation of USD 188.12 billion in 2022 and is projected to attain USD 400.32 billion by 2030. It is anticipated to exhibit a compound annual growth rate (CAGR) of 9.9% during the forecast period from 2023 to 2030.



GNSS Market Size, Share & Segment By

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the GNSS market is experiencing robust growth driven by the increasing demand for accurate location-based information and the widespread integration of GNSS technology into consumer devices.”

*Research by SNS Insider*

The Global Navigation Satellite System (GNSS) is a sophisticated technology that utilizes a constellation of satellites to provide precise and accurate positioning, navigation, and timing information to users worldwide. GNSS systems, including GPS, GLONASS, Galileo, and BeiDou, play a pivotal role in various applications such as transportation, agriculture, defense, and telecommunications. These satellite-based systems have become an integral part of modern life, contributing significantly to the efficiency and reliability of numerous industries.

GNSS Market Size, Share & Segment By

The GNSS market is witnessing robust growth, propelled by several key factors. Firstly, the

increasing demand for accurate real-time navigation and positioning services across diverse sectors, including automotive, aviation, and maritime, is a major driver. The rapid expansion of the Internet of Things (IoT) and the integration of GNSS technology in smartphones have further widened the market scope. Additionally, the rise in applications such as precision agriculture, surveying, and geolocation-based services is fueling the demand for GNSS solutions. Technological advancements, continuous satellite launches, and the development of multi-constellation systems are further bolstering the growth of the GNSS market. The ubiquitous integration of GNSS technology into everyday consumer devices has not only facilitated location-based services for individuals but has also opened up new avenues for businesses to leverage geospatial data for targeted marketing, logistics optimization, and location-based analytics.

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- Qualcomm Inc
- Texas Instrument
- Trimble Inc.
- Rockwell Collins
- Broadcom Inc.
- Hexagon
- Furuno Electric
- Laird Plc
- Cobham Pl
- Harris Corporation
- Topcon Corporation
- Aglunction
- Topcon Corporation
- TomTom NV
- Rockwell Collins.

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The ongoing recession has presented a mixed impact on the GNSS market. On the positive side, governments and enterprises are increasingly recognizing the cost-saving potential of GNSS technology in optimizing logistics and enhancing operational efficiency. As organizations seek ways to streamline their processes and reduce expenditures, the demand for GNSS solutions is expected to rise. However, on the negative side, the economic downturn has led to budget constraints, affecting investment in infrastructure projects that heavily rely on GNSS technology. This duality creates a complex scenario where the market may experience both challenges and opportunities depending on the specific industry and region.

The geopolitical tensions arising from the Russia-Ukraine war have implications for the GNSS market. One potential negative impact is the disruption of satellite communication services, as conflict zones may interfere with the normal functioning of GNSS systems. However, there is a silver lining as well, with the increased awareness of the strategic importance of GNSS in military applications, leading to potential investments in securing and enhancing GNSS infrastructure. The conflict's outcome may reshape the global geopolitical landscape, influencing the distribution and accessibility of GNSS services.

## North American Region

The North American region dominates the GNSS market due to the widespread adoption of technology in various sectors, particularly in the United States. The presence of key market players, favorable government initiatives, and the increasing demand for precise location-based services contribute to the region's prominence. Europe is a significant player in the market, driven by the continuous development and deployment of the Galileo satellite system. The European GNSS Agency (GSA) plays a crucial role in promoting the adoption of GNSS technology across industries, further enhancing the market's growth prospects. The Asia-Pacific region is witnessing rapid growth in the GNSS market, primarily driven by the increasing demand for navigation and positioning services in countries like China and India. The expansion of smart transportation systems and the rising adoption of GNSS in agriculture contribute to the region's dynamic market landscape.

## Market Segmentation

### BY TYPE

- Global Constellations
- Regional Constellations
- Satellite based Augmentation

### BY APPLICATION

- Navigation
- Mapping
- Surveying
- Telematics
- Location based services (IBS)
- Other

### BY END-USER

- Rail
- Agriculture
- Aviation

- Others

### Segmentation by Region:

- North America
- Europe
- Asia-Pacific
- The Middle East & Africa
- Latin America

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- The navigation segment is poised to dominate the GNSS market, fueled by the increasing demand for precise positioning and navigation in various industries. Applications such as autonomous vehicles, aviation, and maritime navigation heavily rely on GNSS technology for accurate and real-time location information.
- The rail segment is set to dominate the GNSS market, with the railway industry increasingly adopting GNSS technology for train tracking, signaling, and safety applications. The integration of GNSS in rail systems enhances operational efficiency, reduces travel times, and improves safety standards.

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- Qualinx has successfully secured \$20 million in its Series A financing round. The company's pioneering venture into the realm of all-digital Global Navigation Satellite System (GNSS) Internet of Things (IoT) wireless technology has captured the attention and confidence of investors.
- CNH Industrial has announced its acquisition of Hemisphere GNSS. The integration of Hemisphere GNSS into CNH Industrial's portfolio is poised to bring about synergies that will enhance the company's capabilities in precision agriculture, construction, and other industries where precise location data is paramount.

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## 1.1 Market Definition

## 1.2 Scope

### 1.3 Research Assumptions

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3.1 Drivers

3.2 Restraints

3.3 Opportunities

3.4 Challenges

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4.1 COVID-19 Impact Analysis

4.2 Impact of Ukraine- Russia war

4.3 Impact of ongoing Recession

4.3.1 Introduction

4.3.2 Impact on major economies

4.3.2.1 US

4.3.2.2 Canada

4.3.2.3 Germany

4.3.2.4 France

4.3.2.5 United Kingdom

4.3.2.6 China

4.3.2.7 Japan

4.3.2.8 South Korea

4.3.2.9 Rest of the World

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8.1 Introduction

8.2 Global Constellations

8.3 Regional Constellations

8.4 Satellite based Augmentation

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9.1 Introduction

9.2 Navigation

9.3 Mapping

9.4 Surveying

9.5 Telematics

9.6 Location based services (IBS)

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12.1 Qualcomm Inc.

12.1.1 Financial

12.1.2 Products/ Services Offered

12.1.3 SWOT Analysis

12.1.4 The SNS view

12.2 Texas Instrument

12.3 Trimble Inc.

12.4 Rockwell Collins

12.5 Broadcom Inc.

12.6 Hexagon

12.7 Furuno Electric

12.8 Laird Plc

12.9 Cobham Plc

12.10 Harris Corporation

12.11 Topcon Corporation

12.12 Aglunction

12.13 Topcon Corporation

12.14 TomTom NV

12.15Rockwell Collins

12.16 Other

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Akash Anand  
SNS Insider Pvt. Ltd  
+1 415-230-0044  
info@snsinsider.com  
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