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North America High Precision GNSS Antennas Market Size and Forecasts (2020 - 2030), Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Harsh Environment Antennas, Survey Grade Antennas, and Marine Antennas), Technology (GPS, GLONASS, and GALILEO), Frequency Range (L1, L2, and L5), and End User (Aviation, Consumer Electronics, Construction and Mining, Military and Defense, and Others)

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Abstracts

The North America high precision GNSS antennas market size was valued at US $419.17 million in 2022 to US $706.36 million by 2030; it is estimated to grow at a CAGR of 6.7% from 2022 to 2030.

The North America high precision GNSS antennas market in the USA is experiencing significant growth driven by several key factors. One of the primary drivers is the increasing demand for high precision GNSS antennas market across various industries, including military and defense, construction, agriculture, transportation, and marine. These antennas are extensively utilized in surveying, mapping, geophysics, geology, and archaeology applications.

The military and defense sectors focus on developing and utilizing autonomous vehicles, unmanned aerial vehicles (UAVs), and automatic guided vehicles (AGVs) within their operations. This emphasis on advanced technologies, including drones, for both military and non-military purposes contribute to the growth of the North America high-precision GNSS antennas market. Furthermore, drones' widespread deployment

and ongoing development for various operations further bolster the demand for high-precision GNSS antennas. These antennas enable accurate navigation and positioning for drones, enhancing their capabilities in diverse scenarios.

The North America high precision GNSS antennas market growth is also propelled by the increasing adoption of GNSS technology in the construction industry, where precise measurements and positioning are crucial for projects. The agriculture and transportation sectors also benefit from high-precision GNSS antennas for applications such as precision farming and efficient vehicle tracking and navigation. In summary, the rising demand for high-precision GNSS antennas in multiple industries, coupled with the focus on advanced technologies and the deployment of drones, drives the growth of the North America high precision GNSS antennas market in the USA. The North America high precision GNSS antennas market growth is poised for further expansion as industries increasingly recognize the value and benefits of accurate positioning and navigation offered by GNSS technology.

In addition, the rise in the inclusion of robotics solutions in the manufacturing industry drives the integration of GNSS technology. GNSS technology has been playing a crucial role in Industry 4.0 applications. It brings precision to the manufacturing operations. Technologies such as real-time kinematic (RTK) and precise point positioning (PPP) require GNSS technology for mission-critical machine control (MCMC) operations. Thus, the rise in government focus on boosting the manufacturing industry with the help of automation generates the need for GNSS technology, which further drives the North America high precision GNSS antennas market for precise and accurate distance measurement.

The North America high precision GNSS antennas market in the USA is experiencing significant growth driven by various factors. One key driver is the increasing demand for GNSS antennas across industries such as military and defense, construction, agriculture, transportation, and marine. These antennas are highly sought for surveying, mapping, geophysics, geology, and archaeology applications. The military and defense sectors mainly focus on developing and utilizing autonomous vehicles, unmanned aerial vehicles (UAVs), and automatic guided vehicles (AGVs). The deployment and advancement of drones for military and non-military operations further contribute to the growth of the North America high precision GNSS antennas market. Additionally, the automotive industry exhibits a strong adoption of GNSS technology for precise positioning, speed and direction monitoring, and navigation purposes. The increasing sales of automobiles, coupled with government initiatives to boost the adoption of electric vehicles, further drive the demand for accurate navigation systems. Thus,

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propelling the high precision GNSS antennas market growth.

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