

Inertial Navigation System (INS) Market to reach US\$ 14.5 Billion by 2027 | CAGR of 6.1%

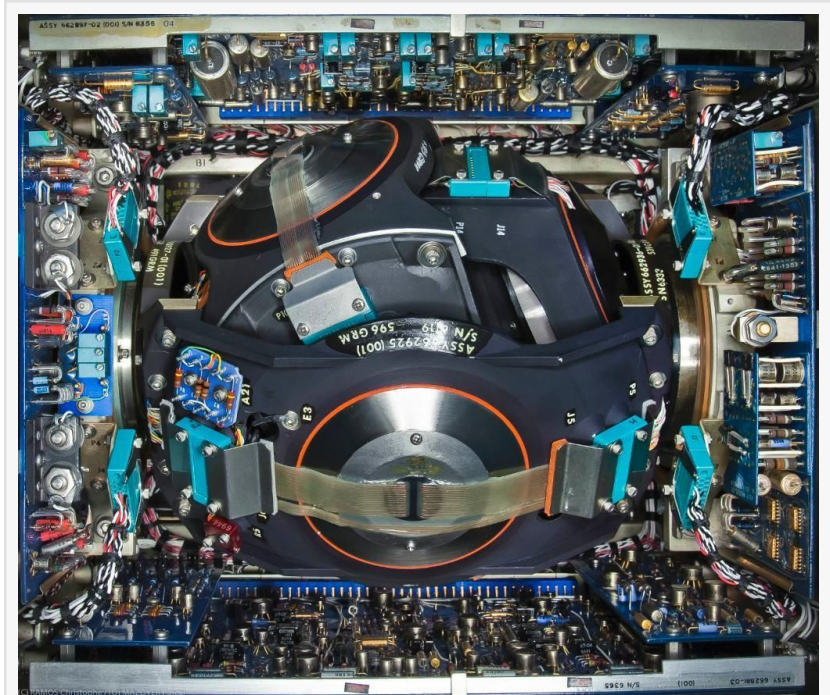
SHERIDAN, WYOMING, UNITED STATES, October 20, 2022 /EINPresswire.com/ -- According to IMARC Group's latest research report, titled "Inertial Navigation System (INS) Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027," The [global inertial navigation system market size](#) reached US\$ 10.3 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 14.5 Billion by 2027, exhibiting a growth rate (CAGR) of 6.1% during 2022-2027.

An inertial navigation system is a device used to determine the item's direction, speed, position, and orientation by utilizing locally available inertial sensors and dead shaking strategies. It consists of a global navigation satellite system (GNSS) receiver, an inertial measurement unit, or other motion-sensing devices. Furthermore, the INS consists of a computational unit to analyze and track the measured data from inertial sensors. It allows us to measure the acceleration of a vehicle by applying mathematical calculations. Inertial navigation systems are used in navigation applications and aerospace, where accuracy and performance are considered essential.

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Industry Growth Drivers:

The global market is majorly driven by the growing adoption of unmanned vehicles. In line with this, increasing demand for a next-generation INS with low weight, small size, and high efficiency is positively influencing the market. Furthermore, the rising demand for miniaturized



Inertial Navigation System (INS) Market

accelerometers and gyroscope sensors will emphasize developing next-generation INS with increased performance and reduced size and weight, which in turn is catalyzing the market. Moreover, increased adoption of the MEMS technology-based navigation grade system to improve accuracy is favoring the market. Besides, heavy investments in military and naval applications are creating a positive outlook for the market. Additionally, significant growth in the aerospace industry and technical developments in navigation systems are providing a boost to the market.

Do you know more information, Contact to our analyst at- <https://www.imarcgroup.com/inertial-navigation-system-market>

Key Market Segmentation:

Breakup by Technology:

- Mechanical Gyros
- Ring Laser Gyros
- Fiber Optics Gyros
- MEMS
- Others

Breakup by Grade:

- Marine Grade
- Navigation Grade
- Tactical Grade
- Space Grade
- Commercial Grade

Breakup by Component:

- Accelerometers
- Gyroscopes
- Algorithms and Processors
- Wireless Systems

Breakup by Application:

- Aircraft
- Missiles
- Space Launch Vehicles
- Marine
- [Military Armored Vehicles](#)

- Unmanned Aerial Vehicles
- [Unmanned Ground Vehicles](#)
- Unmanned Marine Vehicles

Breakup by Region:

- North America (United States, Canada)
- Europe (Germany, France, United Kingdom, Italy, Spain, Others)
- Asia Pacific (China, Japan, India, Australia, Indonesia, Korea, Others)
- Latin America (Brazil, Mexico, Others)
- Middle East and Africa (United Arab Emirates, Saudi Arabia, Qatar, Iraq, Other)

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IMARC's information products include major market, scientific, economic and technological developments for business leaders in pharmaceutical, industrial, and high technology organizations. Market forecasts and industry analysis for biotechnology, advanced materials, pharmaceuticals, food and beverage, travel and tourism, nanotechnology and novel processing methods are at the top of the company's expertise.

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