

Autonomous Navigation Market is Expected Significant Growth with a CAGR of 17.1% | AMR

Increase in demand for sense & avoid systems in autonomous system, rise in adoption of autonomous robot in commercial & military applications

WILMINGTON, NEW CASTLE, DELAWARE, UNITED STATES, June 30, 2024 /EINPresswire.com/ -- The [Autonomous Navigation Market Opportunities and Forecast, 2021 - 2031](#) report provides an extensive analysis of changing market dynamics, major segments, value chain, competitive scenario, and regional landscape. This

research offers a valuable guidance to leading players, investors, shareholders, and startups in devising strategies for the sustainable growth and gaining competitive edge in the market. The global autonomous navigation market was valued at \$3.27 billion in 2021, and is projected to reach \$15.91 billion by 2031, growing at a CAGR of 17.1% from 2022 to 2031.

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The autonomous navigation system is an on board, integrated suite of sensors and technology that enabled autonomous navigation, perception, path-planning and vehicle-following capabilities for unmanned group vehicles, allowing them to move on the battlefield with minimal human oversight. It is installed in vehicles, such as drones, robots, cars, boats, and others. The navigation system technology is performed by using advanced technologies such as inertial navigation system, satellite navigation system, radars, cameras, and ultrasonic & acoustics navigation along with autonomous navigation algorithms for accurate & safe navigation of vehicles. At present, development of sense and avoid systems in autonomous robots, the widespread deployment of autonomous robots for commercial and military purposes, and the demand for autonomous robots in logistics are all likely to drive the autonomous navigation industry forward.

Autonomous Navigation Market



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The leading players operating in the autonomous navigation market are Bosch, Honeywell, Garmin, Intel, Microsoft, and others. The market is expected to grow significantly in the coming years, driven by the increasing demand for autonomous systems in various applications, including self-driving cars, drones, and industrial automation. Key players are investing heavily in research and development to improve the performance and reliability of their autonomous navigation systems.

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The factors such as increase in demand for sense & avoid system in autonomous system, rise in adoption of autonomous robot in commercial & military applications, and increase in demand for real-time data in military applications supplement the [growth of the autonomous navigation market](#). However, lack of standard infrastructure for operation of autonomous systems in developing countries and privacy & security concerns related to data are the factors expected to hamper the growth of the market. In addition, increase in demand for improved surveillance and proactive government initiatives & support are expected to create ample opportunities for the key players operating in the autonomous navigation market.

The research provides a detailed [segmentation of the global autonomous navigation market](#) based on application, system, platform, and region. The report discusses segments and their sub-segments in detail with the help of tables and figures. Market players and investors can strategize according to the highest revenue-generating and fastest-growing segments mentioned in the report.

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Based on region, Asia-Pacific held the largest share in 2021, contributing to nearly two-fifths of the total market share. In addition, the North America region is expected to manifest the fastest CAGR of 19.9% during the forecast period.

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Based on system, the sensing segment accounted for the highest share in 2021, contributing to nearly half of the global autonomous navigation market, and is expected to maintain its lead in terms of revenue during the forecast period. However, the software segment is expected to manifest the highest CAGR of 18.8% from 2022 to 2031.

For more information, visit:

Aviation Analytics Market - <https://www.globenewswire.com/en/news->

[release/2022/05/31/2453540/0/en/Aviation-Analytics-Market-to-Garner-8-21-Billion-by-2030-Allied-Market-Research.html](https://www.globenewswire.com/en/news-release/2022/05/31/2453540/0/en/Aviation-Analytics-Market-to-Garner-8-21-Billion-by-2030-Allied-Market-Research.html)

Aerospace Adhesives Market - <https://www.globenewswire.com/en/news-release/2022/11/04/2548765/0/en/Aerospace-Adhesives-Market-to-Garner-1-4-Billion-by-2031-Allied-Market-Research.html>

Autonomous Aircraft Market - <https://www.globenewswire.com/en/news-release/2022/08/05/2492994/0/en/Autonomous-Aircraft-Market-to-Garner-37-06-Billion-by-2031-Allied-Market-Research.html>

Unmanned Surface Vehicle Market - <https://www.prnewswire.com/news-releases/unmanned-surface-vehicle-market-to-reach-2-7-billion-globally-by-2032-at-11-5-cagr-allied-market-research-301960184.html>

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