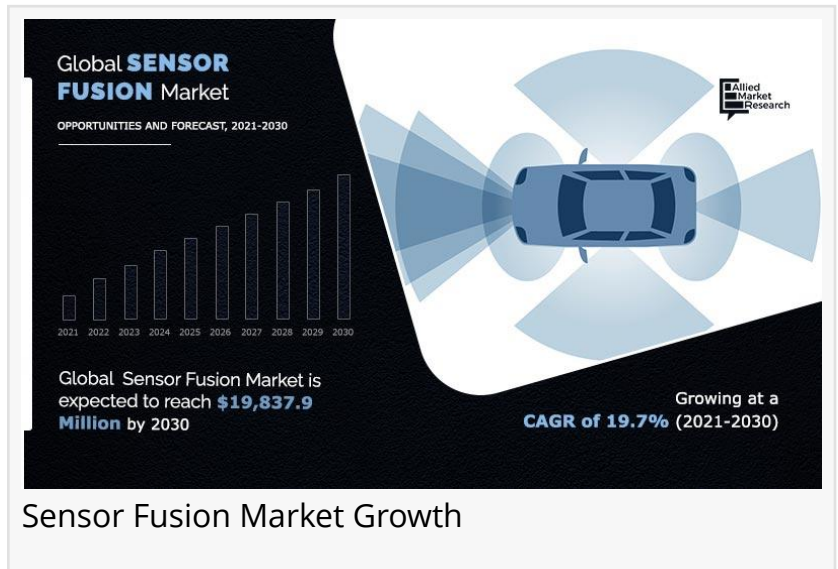


Sensor Fusion Market to Revolutionize IoT and Automotive Sectors by 2030

Sensor Fusion Market Expected to Reach \$19,837.9 Million By 2030

WILMINGTON, DE, UNITED STATES, January 2, 2025 /EINPresswire.com/ -- Allied Market Research, titled, "[Sensor Fusion Market](#) By Type, Technology, and Industry Vertical: Global Opportunity Analysis and Industry Forecast, 2021–2030", the sensor fusion market size was valued at \$3,546.2 million in 2020, and is projected to reach \$19,837.9 million by 2030, registering a CAGR of 19.7% from 2021 to 2030.



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An increase in sales of self-driving vehicles and a rise in some portable and wearable electronic devices etc. boost the Sensor Fusion market growth.”

Allied Market Research

Sensor fusion is the accumulation of data from multiple sensors to gain an accurate picture of the sensors than can be determined by any one sensor alone. Such fusion of different types of sensors together reduces errors. Sensor fusion devices make use of advanced sensor fusion algorithms. These algorithms are developed to integrate the real-time data and measurement outputs into a unified interpretation. This involves multiple sensor fusion arrays with different types of sensors with different chemical and biological coatings. Sensor fusion is majorly widely used in

consumer electronics and automotive applications. The automotive industry is expected to grow at a significant growth rate during the forecast period.

The constantly evolving consumer electronics, automotive and healthcare industry majorly drives the [sensor fusion market growth](#). Further, the increase in several electric vehicles and the integration of advanced technologies such as ADAS and other safety features in the vehicles

drive the growth of the market. Moreover, the rise in the trend of miniaturization in electronics contributes toward the growth of the sensor fusion market trends. However, the lack of standardization in MEMS technology is expected to hinder the growth of the sensor fusion industry.

Sensor fusion by IMU type contributed the maximum in terms of revenue to the market and accounted for around 37.5% share in 2020. Factors such as a surge in adoption of consumer electronic devices and medical devices propel the market growth. Sensor fusion by radar sensor type is expected to grow at a significant rate, owing to the high demand for sensor fusion in autonomous vehicles.

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COVID-19 has impacted the global electronics and semiconductor sector, due to which production facilities as well as new projects have stalled. The emergence of COVID-19 has lowered the growth of the sensor fusion market share in 2020 and is estimated to witness significant growth till the end of 2021. The implementation of partial or complete lockdowns across countries is the prime reason for the lower growth rate.

Key findings of the report:

- By type, the IMU segment generated the highest revenue in the [sensor fusion market analysis](#) in 2020.
- By technology, the MEMS segment held the largest market share revenue in the market in 2020.
- By industrial vertical, the consumer electronics segment generated the highest revenue in the global market in 2020.

The key players operating in this market are Analog Devices Inc., NXP Semiconductor, Renesas Electronics Corporation, Bosch Sensortec GmbH, InvenSense, Inc., Infineon Technologies, STMicroelectronics, Asahi Kasei Microdevices, BASELABS, and Maxim Integrated. These key players have adopted strategies, such as product portfolio expansion, mergers & acquisitions, agreements, regional expansion, and collaboration, to enhance their market penetration.

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Key findings:

Allied Market Research is a top provider of market intelligence that offers reports from leading technology publishers. Our in-depth market assessments in our research reports take into account significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on the analysis of high-tech systems and advanced production systems.

We have a team of experts who compile thorough research reports and actively advise leading businesses to enhance their current procedures. Our experts have a wealth of knowledge on the topics they cover. Also, they use a variety of tools and techniques when gathering and analyzing data, including patented data sources.

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