

Growth of Public Safety Sensors Market Driven by Advancements in Technology: 2020-2027 Outlook

Public Safety Sensors Market to Reach \$2.44 Billion by 2027

WILMINGTON, DE, UNITED STATES, January 13, 2025 /EINPresswire.com/ -- Allied Market Research, titled, "[Public Safety Sensors Market](#) by Sensor Type and Application: Opportunity Analysis and Industry Forecast, 2020-2027," the global public safety sensors industry was valued at \$1.46 billion in 2019, and is projected to reach \$2.44 billion by 2027, registering a CAGR of 7.1% from 2020 to 2027.



Global Public Safety Sensors Market
OPPORTUNITIES AND FORECAST, 2020-2027

Global Public Safety Sensors Market is expected to reach **\$2.44 Billion** by 2027.

Growing at a **CAGR of 7.1%** (2020-2027)

Public Safety Sensors Market Growth

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Public safety sensors are widely used across industries, with healthcare leading, followed by automotive & residential. Wearables integrate sensors for automatic control.”

Allied Market Research

The public safety sensors market forecast holds high potential in the residential and automotive sectors. The current business scenario experiences rapid development in smart infrastructure and smart vehicle technology, leading to the readiness to adopt this technology, particularly in developed and developing regions such as North America, Asia-Pacific, and Europe. Companies in this industry adopt various innovative techniques to provide customers with advanced and innovative features.

An increase in demand for different types of sensors,

especially in autonomous cars, is expected to drive the [public safety sensors market growth](#) during the forecast period. Advanced technologies and innovations such as Advanced Driver Assistance Systems (ADAS) and Emission Control Sensors are expected to open new

opportunities for the public safety sensors market in the automotive industry.

Public safety sensors feature enhanced functionality & accuracy and facilitate quick and cost-effective monitoring and reporting procedures. It is incorporated for different challenges aimed to improve quality and productivity in the process.

Asia-Pacific and North America are expected to offer lucrative growth opportunities during the forecast period. North America and Asia-Pacific are anticipated to grow at a rapid pace at a CAGR of 5.1% and 8.1%, respectively.

Leak detections are increasingly used in the oil & petroleum industry, chemical industry, and air conditioning & refrigeration industries among others. Usage of leak detectors leads to potential accident avoidance and risk analysis for future concerns. This technology promotes safe orientation among users in various situations. Governments all over the world are setting up regulations to promote the adoption of leak detectors among various industry verticals. For instance, the U.S. federal government regulates pipelines via the Code of Federal Regulations (CFR) 49 which insist on the adoption of leak detectors. In addition, the air conditioning and refrigeration industries are using leak detectors to measure and prohibit carbon dioxide to reduce global warming potential, which is assisting the growth of public safety sensors market forecasts globally.

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Gunshot detectors are increasingly being used in the U.S. for safety and security purposes. The system uses sensors mounted on light poles along schools & universities, offices, and public spaces. It triangulates the sound, giving police a precise location of where the gunfire happened. In addition, governments of various countries are entering into partnerships with companies to install such technologies in public places. For instance, the San Diego government entered into a four-year contract valuing \$1 million with Shot Shutter, a company dealing with gunshot detectors to ensure safety among its citizens. Therefore, usage of safety sensors for public safety applications drives the public safety sensors market growth in the global front.

The COVID-19 crisis is causing uncertainty in the stock market, immense slowing of the supply chain, falling business confidence, and increasing panic among the customer segments. The overall impact of the pandemic is impacting the production process of several industries including semiconductor and electronics, and others. Trade barriers are further constraining the demand and supply outlook. As the governments of different countries have already announced a total lockdown and temporary shutdown of industries, the overall production process is adversely affected.

According to public safety sensors market trends, the governments in key markets have prioritized safety and security technologies about the current threat environment experienced

globally. Thus, there is a strong demand for public safety sensors and technologies from the military & defense sector. However, the residential sector witnessed severe loss, thereby no new orders have been placed during the pandemic. And this impact is estimated to continue till 2021. Moreover, the international automobile markets are in a very weak state owing to the lockdowns imposed to tackle the pandemic continued for several weeks.

Although the vehicle markets in the U.S. and Europe are estimated to witness mild recovery in the second half of 2020, they are still significantly down on pre-crisis levels. Hence, the public safety sensors market is facing major obstacles from the emergence of the COVID-19 pandemic.

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- By sensor type, the pressure sensor segment generated the highest revenue in the global public safety sensors market forecast in 2019.
- By application, the flood detection segment generated the highest revenue in the global public safety sensors market forecast in 2019.

The major companies profiled in the report include ABB Ltd., FIBARO, Baumer, Rockwell Automation, Siemens AG, Schneider Electric, Infineon Technologies, Texas Instruments, Sensors Industries, and Keyence Corporations. These key players adopt several strategies such as new product launch & development, acquisition, partnership & collaboration, and business expansion to increase the [public safety sensors market share](#) during the forecast period.

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