

Photonic Sensors Market Poised for Significant Growth: Key Trends & Forecasts (2020-2030)

Photonic Sensors Market Expected to Reach \$94.2 Billion by 2030

WILMINGTON, DE, UNITED STATES, March 17, 2025 /EINPresswire.com/ -- Baumer Holdings AG, Banner Engineering Corp., Omron Corporation, Hamamatsu Photonics KK, and Truesense Imaging Inc. are some of the major companies that are profiled in the report. Product launch and acquisition are prominent corporate strategies adopted by these

companies. For instance, in November 2014, Hamamatsu Photonics KK announced the launch of an energy-discriminating radiation line sensor. This sensor consists of a direct conversion type semiconductor used to inspect the thickness of the wall of a pipe.



Photonic Sensors Market Size



Increasing adoption of Biophotonics and laser technology in healthcare and industrial applications is expected to be the major trend in the world.”

Allied Market Research

□□□□□□□□ □□□□□□□□ □□□□□□ □□□□□□ & □□□:

<https://www.alliedmarketresearch.com/request-sample/602>

According to Allied Market Research, in the article titled "[Photonic Sensors Market](#) by Type, Technology and Application: Global Opportunity Analysis and Industry Forecast, 2020-2030", the photonic sensors market is expected to garner \$94.2 billion by 2030, registering a CAGR of 16.8% from 2020 to 2030. The need for enhanced

safety and security solutions, better alternatives for conventional technology, and increasing adoption of wireless sensing technology are factors that drive the photonic sensor market. Presently, North America dominates the global photonic sensors market owing to wide-ranging applications of photonic sensors in the region. Asia-Pacific is expected to be the fastest growing region in the global [photonic sensors market size](#), with Japan being the forerunner in the

development of advanced photonic technology.

The study highlights the dominance of fiber optic sensors, which accounted for around 39% market share in 2015 and would continue to dominate the market during the forecast period. Numerous organizations across the globe offer fiber optic sensors that can withstand harsh environmental conditions such as extreme heat, noise, corrosion, explosion, and vibration. Fiber optic sensors are compact in size and light in weight, which makes them ideal for accomplishing various tasks. Biophotonic technology is expected to be the fastest-growing technology in the photonic sensor market based on its application. The segment is expected to register a CAGR of 18.7% during the forecast period.

□□□□□□□□□□ □□□□□□□□:

The [Photonic Sensors industry](#) key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

□□□□ □□ □□□ □□□□□ □□□ □□□□□□□ □□ □□□ □□□□□□□ □□□□□□□ □□□□□□ □□□□□□□,

- Motorola Solutions
- General Dynamics Corporation
- L3 Harris
- MCS Digital
- omnisys - Thales group
- BAE Systems plc
- Leonardo S.R.L.
- ICOM Incorporation
- BK Technologies Corporation
- Hytera Communications Corporation Ltd

□□□ □□□□□□□□□□ □□□□□□□ □□□□ □□□'□□ □□□□□□□□□□□□:

<https://www.alliedmarketresearch.com/request-for-customization/602>

Photonic sensors are used in multiple applications since these devices can provide accurate, cost-effective image-sensing solutions as compared to conventional sensors. Among various applications of photonic sensors, their usage in the military is estimated to generate the highest revenue in 2015, owing to wide-ranging applications of photonic sensors in various defense equipment. Additionally, industrial process application is anticipated to occupy the second highest revenue share in 2015, followed by biomedical applications.

□□□ □□□□□□□□ □□ □□□ □□□□□□□□ □□□□□□□ □□□□□□□:

- Fiber optic technology will continue to lead the photonic sensor market throughout the forecast period 2016 - 2021.
- The military is the highest revenue-generating market in the application segment, which is estimated to be surpassed by the industrial process market by 2020.
- Oil and gas is expected to be the fastest-growing application segment in the photonic sensor market.

□□□□□□ □□□□□□ □□□□□□: <https://www.alliedmarketresearch.com/purchase-enquiry/602>

□□□□□ □□:

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 consider significant technological advancements in the sector. In addition to other areas of expertise, AMR focuses on analyzing high-tech 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.

David Correa
Allied Market Research
+ 1800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/794471653>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.