

Global Quantum Sensors Market Forecast 2025-2034: Analyzing Growth Drivers, Market Share, Segments, And Emerging Trends

*The Business Research Company's
Quantum Sensors Global Market Report
2025 – Market Size, Trends, And Forecast
2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, May 28, 2025

/EINPresswire.com/ -- What Does The
Quantum Sensors Market Landscape
Look Like?

The Business
Research Company

The Business Research Company

The astonishing growth rate of the quantum sensors market in the recent years is set to continue into the near future. The market is expected to grow from \$0.39 billion in 2024 to \$0.46 billion in 2025 at a compound annual growth rate CAGR of 19.6%. Varieties of factors are in play

that have driven this growth surge in the past, such as dramatic increases in government funding for quantum research, a surge in demand for precise measurement tools, and constraints of classical sensors in complex environments. Early adoption in the defense and aerospace sectors and burgeoning growth of quantum computing ecosystem also share the credit.

“

The Business Research
Company's Latest Report
Explores Market Drivers,
Trends, Regional Insights -
Market Sizing & Forecasts
Through 2034”

*The Business Research
Company*

Get Your Free Sample Market Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=23492&type=smp>

What Does The Future Outlook Of The Quantum Sensors Market Look Like?

Over the next decade, the quantum sensors market is likely to double in size. Its value is projected to reach \$0.93 billion by 2029 at a CAGR of 19.2%. This rapid growth is believed to be fuelled by rising investments in quantum technology startups, proliferation of applications in healthcare and autonomous vehicles, integration with AI and machine learning systems, and an enhanced demand for ultra-sensitive sensing in navigation and imaging. The scope of quantum technologies' commercialization is expanding, and its appeal is growing. Numerous trends are

emerging, such as advancements in quantum entanglement-based sensing, ongoing innovations in quantum gravimetry and magnetometry and rapid development of compact and portable quantum sensors.

Order Your Report Now For A Swift Delivery:

<https://www.thebusinessresearchcompany.com/report/quantum-sensors-global-market-report>

What Are The Key Drivers Propelling The Quantum Sensors Market?

Another key driver of the quantum sensors market is the growing demand for high-precision measurement devices. These are cutting-edge instruments that provide extremely accurate and reliable measurements in varied industries, including but not limited to aerospace, healthcare, and manufacturing. High precision measurement devices fortified with quantum sensors facilitate ultra-sensitive detection and significantly improve accuracy in healthcare diagnostics, scientific research, and a range of industrial applications.

Who Are The Primary Industry Players In The Quantum Sensors Market?

The major players in this burgeoning market include BAE Systems, Oxford Instruments, LI-COR Inc., Campbell Scientific Inc., ColdQuanta Inc., SandboxAQ, Q-CTRL, AoSense Inc., ID Quantique, and M Squared Lasers Limited among several others. These corporations are increasingly focusing on innovative solutions such as next-gen quantum imaging sensors to enhance detection accuracy and enable advanced imaging capabilities in challenging environments.

What Are The Regional Insights Into The Quantum Sensors Market?

Where is this rapid growth happening? Europe held the highest share in the quantum sensors market in 2024. However, other regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa are also contributing to the global market.

Market Segmentation:

- 1 By Type: Atomic Clocks, Magnetic Sensors, Photosynthetically Active Radiation PAR Quantum Sensors, Gravity Sensors, Other Types
- 2 By Platform: Neutral Atoms, Trapped Ions, Nuclear Magnetic Resonance, Optomechanics, Photons, Defects In Diamonds, Superconductors
- 3 By Application: Aerospace And Defense, Oil And Gas, Agriculture And Environment, Construction And Mining, Automotive And Transportation, Healthcare, Other Applications

Subsegments:

- 1 By Atomic Clocks: Chip-Scale Atomic Clocks CSAC, Rubidium Atomic Clocks, Cesium Atomic Clocks, Hydrogen Masers
- 2 By Magnetic Sensors: Optical Magnetometers, SQUID Magnetometers Superconducting Quantum Interference Devices, Alkali Vapor Magnetometers
- 3 By Photosynthetically Active Radiation PAR Quantum Sensors: Underwater Photosynthetically Active Radiation PAR Sensors, Terrestrial Photosynthetically Active Radiation PAR Sensors

4 By Gravity Sensors: Quantum Gravimeters, Quantum Accelerometers

5 By Other Types: Quantum Gyroscopes, Quantum Imaging Sensors, Quantum LiDAR Sensors

Browse Through More Similar Reports By The Business Research Company:

Biometric Sensor Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/biometric-sensor-global-market-report>

Position Sensors Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/position-sensors-global-market-report>

Wireless Sensor Network Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/wireless-sensor-network-global-market-report>

About The Business Research Company:

With over 15000+ reports from 27 industries covering 60+ geographies, The Business Research Company has built a reputation for offering comprehensive, data-rich research and insights.

Armed with 1,500,000 datasets, in-depth secondary research, and unique insights from industry leaders, you can obtain the information you need to stay ahead in the game.

Contact us at:

The Business Research Company

Americas: +1 3156230293

Asia: +44 2071930708

Europe: +44 2071930708

Email us at: info@tbrc.info

Follow us on:

LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

YouTube: https://www.youtube.com/channel/UC24_fl0rV8cR5DxICpgmyFQ

Global Market Model: <https://www.thebusinessresearchcompany.com/global-market-model>

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/816772036>

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.