

Autonomous Underwater Vehicles Market 2025-2029: Unveiling Growth Developments with the Latest Updates

*The Business Research Company's
Autonomous Underwater Vehicles Market
2025-2029: Unveiling Growth
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What Is The Expected Cagr For The [Autonomous Underwater Vehicles Market](#) Through 2025?

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preceding years. This market is projected to increase from \$2.41 billion in 2024 to \$2.9 billion in 2025, which translates to a compound annual growth rate (CAGR) of 19.9%. The primary factors driving this historic growth include the escalating requirements for ocean exploration, defense and military purposes, augmented demand for underwater surveys and an increased consciousness about climate change. Furthermore, progress in energy exploration as well as efficient data gathering and

economical underwater exploration are contributing to this surge.

The market for autonomous underwater vehicles is anticipated to experience a substantial surge in size over the forthcoming years, projected to reach \$5.69 billion by 2029, with a CAGR of 18.4%. This growth forecast is driven by factors such as the intensifying need for underwater surveillance, monitoring of climate change effects, exploration of deep-sea mining, commercial uses in the fishing industry, autonomous navigation capabilities, and improved autonomous decision-making. Noteworthy trends in the forecast period encompass the integration of AI, the modulation and compressing of designs, technological innovations, an upsurge in investment towards AUV technology, technology shrinkage, and enhancement in battery technology.

Download a free sample of the [autonomous underwater vehicles market report](https://www.thebusinessresearchcompany.com/sample.aspx?id=9044&type=smp):
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What Are The Driving Factors Impacting The Autonomous Underwater Vehicles Market?

The growth in the autonomous underwater vehicles market is being driven by the surge in ocean research and escalated defense spending. Essential data and tools for understanding the world's oceans and atmosphere are provided by scientific ocean studies. Defense systems worldwide are largely contributing to ocean research through the use of human-operated submersibles. These vehicles can retrieve a variety of items, including geological, biological, and archaeological cores, samples, and artifacts from the deep-sea floor. This process is made simpler by the use of autonomous underwater vehicles. For example, the Stockholm International Peace Research Institute (SIPRI) reported in April 2022 that Russian military expenditure increased by an estimated 9.2% to roughly \$86.4 billion in 2022. This accounted for 4.1% of the country's GDP, a rise from 3.7% in 2021. Thus, the expansion in ocean research and heightened defense spending on a global scale are collectively driving the growth of the autonomous underwater vehicles market.

Which Players Dominate The Autonomous Underwater Vehicles Industry Landscape?

Major players in the Autonomous Underwater Vehicles include:

- Fugro N.V.
- Kongsberg Gruppen A.S.A
- Boston Engineering Corporation
- Teledyne Technologies Inc.
- The Boeing Company
- Atlas Elektronik GmbH
- Riptide Autonomous Solutions
- Tianjin Subblue Ocean Science & Technology Co. Ltd
- Falmouth Scientific Inc.
- Terradepth

What Are The Future Trends Of The Autonomous Underwater Vehicles Market?

The rise of technological innovation is a notable trend gaining momentum in the autonomous underwater vehicles (AUV) marketplace. To maintain their competitive standing, primary companies in this sector are focused on creating cutting-edge solutions. For instance, Kongsberg Gruppen, an aerospace company based in Norway, introduced HUGIN Edge in March 2022. This next-generation medium-sized AUV from the HUGIN family boasts a new battery technology. The HUGIN Edge features leading-edge technologies such as synthetic aperture sonar, a high-frequency multibeam echosounder, and an exchangeable camera or sub-bottom profiler. Weighing around 300kg, it offers unrivaled durability and reliability.

Global Autonomous Underwater Vehicles Market Segmentation By Type, Application, And

Region

The autonomous underwater vehicles market covered in this report is segmented –

- 1) By Type: Shallow, Medium, Large
- 2) By Payload Type: Cameras, Sensors, Synthetic Aperture Sonar, Echo Sounders, Acoustic Doppler Current Profilers
- 3) By Technology: Collision Avoidance, Communication, Imaging, Navigation, Propulsion,
- 4) By Application: Archeological And Exploration, Environmental Protection And Monitoring, Military And Defense, Oceanography, Offshore Renewable Energy, Oil And Gas, Search And Salvage Operation

Subsegments:

- 1) By Shallow: Small-Scale AUVs, Inspection And Monitoring AUVs
- 2) By Medium: Research AUVs, Survey AUVs
- 3) By Large: Long-Range Exploration AUVs, Military AUVs

View the full autonomous underwater vehicles market report:

<https://www.thebusinessresearchcompany.com/report/autonomous-underwater-vehicles-global-market-report>

Which Region Holds The Largest Market Share In The Autonomous Underwater Vehicles Market?

In 2024, the Asia-Pacific region led the market for autonomous underwater vehicles. The market study addresses regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa. The report also predicts growth trends for each region.

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