

Comprehensive Report on the Naval Mine Detection Unmanned Underwater Vehicle (UUV) Market: Opportunities and Challenges

The Business Research Company's Naval Mine Detection Unmanned Underwater Vehicle (UUV) Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The

Expected Cagr For The [Naval Mine Detection Unmanned Underwater Vehicle \(UUV\) Market](#) Through 2025?

The market for unmanned underwater vehicles (UUV) designed for the detection of naval mines has seen substantial growth in recent years. The market is anticipated to expand from \$1.46

billion in 2024 to \$1.66 billion in 2025, indicating a compound annual growth rate (CAGR) of 13.2%. Factors contributing to this historic growth trend include heightened naval security concerns, increased funding for naval defense, advances in sonar technology, a rise in the occurrence of maritime mine-related episodes, and the growth of naval fleets.

Expectations are high for the naval mine detection unmanned underwater vehicle (UUV) market, with positive projections indicating solid growth in the coming years. Forecasts predict that the market is set to reach a value of

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\$2.69 billion by 2029, developing at a compound annual growth rate (CAGR) of 12.9%. The predicted expansion during this period is based primarily on factors such as the incorporation of autonomous mine detection systems, the marrying of AI with machine learning in UUVs, an uplift in the request for economically efficient solutions for naval mine countermeasures, global modernization of naval forces, and an increased emphasis on unmanned maritime surveillance and reconnaissance. The period also looks set to see trends including the utilization of sophisticated sonar technologies, AI-driven autonomous navigation systems, a reduced scale of

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UUV platforms, improved underwater communication systems, and the production of hybrid energy-saving propulsion systems.

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What Are The Driving Factors Impacting The Naval Mine Detection Unmanned Underwater Vehicle (UUV) Market?

The naval mine detection unmanned underwater vehicle (UUV) market is projected to flourish as maritime security threats continue to rise. Threats like piracy, armed robbery, and sabotage significantly jeopardize naval and commercial vessels, especially in vital shipping paths experiencing heightened geopolitical unrests. These types of dangers necessitate stronger maritime surveillance and defense. Naval mine detection UUVs meet this demand by identifying and neutralizing submarine mines and explosives, providing real-time surveillance of high-risk zones, and securing safe passage for both military and commercial vessels. For instance, data from the International Chamber of Commerce (ICC), a business organization based in France, indicates that incidents of maritime piracy and armed robbery against ships increased from 115 in 2022 to 120 in 2023, which includes 105 vessel boardings, nine attempted assaults, four hijackings, and two gunfire incidents in January 2024. Therefore, the escalating maritime security threats are fueling the expansion of the naval mine detection unmanned underwater vehicle (UUV) market.

Which Players Dominate The Naval Mine Detection Unmanned Underwater Vehicle (UUV) Industry Landscape?

Major players in the Naval Mine Detection Unmanned Underwater Vehicle (UUV) Global Market Report 2025 include:

- Lockheed Martin Corporation
- BAE Systems plc
- Thales Group
- Leidos Holdings Inc.
- Huntington Ingalls Industries Inc.
- Rheinmetall AG
- Elbit Systems Ltd.
- Saab AB
- Hanwha Ocean Co. Ltd.
- Israel Aerospace Industries Ltd.

What Are The Main Trends, Positively Impacting The Growth Of Naval Mine Detection Unmanned Underwater Vehicle (UUV) Market?

Leading companies in the naval mine detection unmanned underwater vehicle (UUV) market are concentrating on the creation of efficient, unmanned underwater vessels to upgrade mine detection precision and safety during operations. These UUVs, which are either autonomous or

remotely controlled, are crafted to function proficiently under tough marine situations. They are fitted with superior sensors, navigation mechanisms, and propulsion systems that facilitate accurate detection, surveying, and plotting of underwater entities. For instance, in April 2025, Leidos, an American defense and technology organization, introduced the Sea Dart UUV. This multi-purpose and cost-efficient vehicle aids in a variety of missions such as anti-mine operations, underwater surveys, infrastructure surveillance, battlespace readiness, and environmental detection. Offered in six- and nine-inch diameters and easily transportable by one or two individuals, Sea Dart provides adjustable payloads and is compatible with the underwater vehicle software and battery systems of the U.S. Navy. With its cost being 80-90% lower than similar small UUVs, it is ideally suited for risky, disputed settings as well as for use in scientific research.

Global [Naval Mine Detection Unmanned Underwater Vehicle \(UUV\) Market Segmentation](#) By Type, Application, And Region

The naval mine detection unmanned underwater vehicle (UUV) market covered in this report is segmented as

- 1) By Type: Remotely Operated Vehicles, Autonomous Underwater Vehicles
- 2) By Propulsion System: Electric, Hybrid, Other Propulsion Systems
- 3) By Application: Mine Detection, Mine Disposal, Surveillance, Other Applications
- 4) By End-User: Naval Forces, Commercial, Research Institutes

Subsegments:

- 1) By Remotely Operated Vehicles: Tethered Remotely Operated Vehicles, Workclass Remotely Operated Vehicles, Observation Class Remotely Operated Vehicles, Inspection Class Remotely Operated Vehicles
- 2) By Autonomous Underwater Vehicles: Lightweight Autonomous Underwater Vehicles, Heavyweight Autonomous Underwater Vehicles, Hovering Autonomous Underwater Vehicles, Glider Autonomous Underwater Vehicles

View the full naval mine detection unmanned underwater vehicle (uuv) market report:

<https://www.thebusinessresearchcompany.com/report/naval-mine-detection-unmanned-underwater-vehicle-uuv-global-market-report>

Which Region Holds The Largest Market Share In The Naval Mine Detection Unmanned Underwater Vehicle (UUV) Market?

In the 2025 Global Market Report relating to Naval Mine Detection Unmanned Underwater Vehicle (UUV), North America leads as the biggest region from the previous year. Asia-Pacific is projected to experience the most growth in the impending future. The report includes analyses of various regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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