

Intelligent Unmanned Underwater Navigation System Market is Projected to Increase at a CAGR of 10.7% Through 2025-2029

*The Business Research Company's
Intelligent Unmanned Underwater
Navigation System Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

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Intelligent Unmanned Underwater Navigation System
Global Market Report 2025

What Is The Projected Market Size & Growth Rate Of The [Intelligent Unmanned Underwater Navigation System Market](#)?



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The market size for intelligent unmanned underwater navigation systems has experienced substantial growth in the recent past. Expected to surge from \$2.31 billion in 2024 to \$2.57 billion in 2025, the market will witness a compound annual growth rate (CAGR) of 11.1%. Factors contributing to this historical growth include an increased demand for precise underwater mapping, expanded use in scientific research and marine exploration, a growing incorporation of GPS and inertial navigation systems, heightened awareness about the protection of underwater infrastructure, as well as increased collaboration between

research institutions and technology developers.

The market for intelligent unmanned underwater navigation systems is projected to experience swift expansion in the coming years, with estimations of reaching a worth of \$3.86 billion by 2029, marking an annual compound growth rate (CAGR) of 10.7%. Growth indicators for this forecast period encompass increasing worldwide efforts aimed towards sustainable oceanic development, elevation of smart seaport and harbor management, a surge in marine

biodiversity explorations, rising necessity for accurate underwater cartography, and augmented demand for collection of oceanographic data. During the same forecast timeframe, major emerging trends to observe will be the progression in autonomous navigation algorithms, improvement in sensor fusion methods, advancement in deep-sea communication technologies, creativity in modular and scalable system structures, as well as progression in regulatory adherence and safety guidelines.

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What Is The Crucial Factor Driving The [Global Intelligent Unmanned Underwater Navigation System Market](#)?

Growing concerns over maritime security are anticipated to propel the expansion of the intelligent unmanned underwater navigation system market in the future. Concerns over maritime security are linked to risks and issues that hamper the safe, secure, and legal utilization of oceans and water bodies. The surge in maritime security concerns is attributed to the escalating illegal cross-border activities, which pose a risk to national security and interfere with legal maritime undertakings. An intelligent unmanned underwater navigation system bolsters maritime security by identifying and supervising illicit underwater activities, thereby facilitating a swift reaction to possible threats. For example, the Migration Observatory, a research institute based in the UK, recorded approximately 37,000 people traversing the English Channel in minor boats in 2024, marking a 25% increase from 2023. Consequently, the escalating concerns over maritime security are spurring the growth of the intelligent unmanned underwater navigation system market.

Who Are The Emerging Players In The Intelligent Unmanned Underwater Navigation System Market?

Major players in the Intelligent Unmanned Underwater Navigation System Global Market Report 2025 include:

- Lockheed Martin Corporation
- General Dynamics Mission Systems Inc.
- ThyssenKrupp AG
- BAE Systems Plc
- Thales Group
- L3Harris Technologies Inc.
- Teledyne Technologies Incorporated
- Saab AB
- Kongsberg Maritime CM India Private Limited
- Fugro N.V.

What Are The Main Trends, Positively Impacting The Growth Of Intelligent Unmanned Underwater Navigation System Market?

Prominent players in the intelligent unmanned underwater navigation system marketplace are focusing on developing sophisticated methods, including independent decision-making capabilities, to increase accuracy in navigation and lower the need for human involvement to enhance the overall confidence in underwater movements. The autonomous decision-making process means a system, machine, or technology's ability to independently process data, assess prospective options and perform operations with no direct human interaction, relying on advanced algorithms, AI, and sensory inputs to make contextual decisions. For instance, in December 2023, Naval Group, a defense industry firm based in France, presented an autonomous underwater drone model for the French Defense Procurement Agency (DGA), signifying a significant stride in improving France's underwater defence and surveillance while concentrating on testing and validating advanced autonomous technologies. This launch is intended to reinforce France's strategic underwater defence capabilities, speed up the assimilation of futuristic autonomous technologies, and confirm innovative solutions for prospective deployment in naval operations.

What Segments Are Covered In The Intelligent Unmanned Underwater Navigation System Market Report?

The intelligent unmanned underwater navigation system market covered in this report is segmented

- 1) By Component: Hardware, Software, Services
- 2) By Platform: Autonomous Underwater Vehicles, Remotely Operated Vehicles
- 3) By Technology: Global Positioning System And Inertial Navigation Systems, Sonar Systems, Vision-Based Navigation, Communication Systems, Artificial Intelligence And Machine Learning Systems
- 4) By Application: Scientific Research, Defense And Military Operations, Oil And Gas Exploration, Environmental Monitoring, Underwater Construction And Maintenance
- 5) By End-User Industry: Marine Research Institutions, Defense Agencies, Oil And Gas Companies, Environmental Protection Agencies, Construction Firms

Subsegments:

- 1) By Hardware: Propulsion System, Sensor System, Navigation System, Communication System, Power Supply System
- 2) By Software: Mission Planning Software, Data Processing Software, Artificial Intelligence And Machine Learning Software, Simulation And Modeling Software, Control And Automation Software
- 3) By Services: Installation And Deployment Services, Maintenance And Support Services, Consulting And Training Services, System Integration Services, Upgradation And Modernization Services

View the full intelligent unmanned underwater navigation system market report:

<https://www.thebusinessresearchcompany.com/report/intelligent-unmanned-underwater-navigation-system-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Intelligent Unmanned Underwater Navigation System Market?

In 2024, North America held the dominant position in the intelligent unmanned underwater navigation system global market. It is projected that the fastest-growing region will be Asia-Pacific during the forecast period. The report encompasses Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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