

# Autonomous Underwater Vehicles: Global Markets to 2030

<https://marketpublishers.com/r/A8DC2DD01BD4EN.html>

Date: June 2025

Pages: 120

Price: US\$ 4,650.00 (Single User License)

ID: A8DC2DD01BD4EN

## Abstracts

### Summary:

The global market for autonomous underwater vehicles (AUVs) was valued at \$2.4 billion in 2024 and is estimated to increase from \$2.7 billion in 2025 to reach \$5.9 billion by 2030, at a compound annual growth rate (CAGR) of 16.7% from 2025 through 2030.

AUVs are unmanned, self-guided submersibles used for underwater applications across multiple sectors. These vehicles enable precise data collection, exploration and monitoring in environments that are otherwise difficult or dangerous for human access. AUVs improve the efficiency, safety and depth of underwater operations by offering high-resolution imaging, real-time data transmission and autonomous navigation capabilities.

The AUV market is witnessing strong growth, fueled by increasing demands in defense, oil and gas, environmental observation, and oceanographic research markets. Seabed mapping, pipeline inspection, underwater surveillance and marine habitat analysis are some applications reflecting the benefits of AUVs compared with conventional manned or tethered solutions. Offshore energy development expansion, rising maritime security issues, and the requirement for high-quality underwater information are also fueling adoption.

### Report Scope

The report analyzes the autonomous underwater vehicle (AUV) market across multiple segments, including payload types, product types and applications, offering insights into key trends and growth drivers. The study focuses on payload types such as sensors (including synthetic aperture sonars, acoustic Doppler current profilers, cameras and

echo sounders), inertial navigation systems and other payloads. It assesses the adoption of these payloads across different AUV product types, including shallow AUVs, medium-sized AUVs and large AUVs. Furthermore, the report evaluates market demand across key application segments, namely the military and defense, commercial, and academic sectors.

The report provides a comprehensive regional analysis covering North America, Europe, Asia-Pacific and the Rest of the World (RoW), including Latin America, the Middle East and Africa. It evaluates the market dynamics, including drivers, challenges and emerging trends, while highlighting innovations in material design and performance enhancement. The study concludes with an analysis of major market players and their offerings. The base year for the study is 2024, with projections for the years 2025 through 2030, including compound annual growth rate (CAGR) for the forecast period.

## **Report Includes**

38 data tables and 39 additional tables

An analysis of the global market and technologies for autonomous underwater vehicles (AUVs)

Analyses of global market trends, with revenue data from 2024, estimates for 2025, forecast for 2027 and projected CAGRs through 2030

Estimates of the market's size and revenue prospects, accompanied by a market share analysis by product type, payload type, application and region

Facts and figures pertaining to market dynamics, technological advancements, regulations, industry structure, and the impacts of macroeconomic variables

Insights derived from Porter's Five Forces model, global supply chain and trade analyses (export/import scenario)

Patent analysis, and emerging trends and developments in patent activity

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of leading companies

Analysis of the industry structure, including companies' market shares and

rankings, strategic alliances, M&A activity and a venture funding outlook

Company profiles of major players within the industry, including L3Harris Technologies Inc., Kongsberg Maritime, Teledyne Marine Technologies Inc., SAAB AB, and Exail.

### **Companies Mentioned**

ATLAS ELEKTRONIK GMBH  
BOSTON ENGINEERING  
EVOLOGICS GMBH  
EXAIL  
GENERAL DYNAMICS MISSION SYSTEMS INC.  
INTERNATIONAL SUBMARINE ENGINEERING LTD.  
KEARFOTT CORP.  
KLEIN  
KONGSBERG MARITIME  
KRAKEN ROBOTICS INC.  
L3HARRIS TECHNOLOGIES INC.  
LOCKHEED MARTIN CORP.  
OCEANEERING INTERNATIONAL INC.  
SAAB AB  
TELEDYNE MARINE TECHNOLOGIES INC.

## Contents

### CHAPTER 1 EXECUTIVE SUMMARY

Market Outlook  
Scope of Report  
Market Summary  
Market Dynamics and Growth Factors  
Emerging Technologies  
Segmental Analysis  
Regional Analysis  
Conclusion

### CHAPTER 2 MARKET OVERVIEW

Current Market Overview  
Future Outlook  
Macroeconomic Factors Analysis  
GDP Growth  
Inflation  
Interest Rates  
Fuel Prices and Energy Demand  
Impact of the U.S.-China Trade War  
Supply Chain Disruptions  
Innovation and R&D Challenges  
Strategic Response by Key Players  
Value Chain Analysis  
Component Development  
Manufacturing and Assembly  
Distribution and Logistics  
Application and Deployment  
Ongoing Support and Performance Optimization  
Porter's Five Forces Analysis  
Bargaining Power of Suppliers  
Bargaining Power of Consumers  
Potential for New Entrants  
Level of Competitiveness  
Availability of Substitutes

## **CHAPTER 3 MARKET DYNAMICS**

Key Takeaways

Market Drivers

Increasing Defense Spending

Growing Demand for Oceanographic Research

Increasing Cost Efficiency and Safety

Market Restraints/Challenges

High Initial Investment

Technical Challenges

Market Opportunities

Increasing Expansion in Deep-Sea Exploration

Rapid Growth of Renewable Energy Sector

Rising Demand for AUVs in Climate and Environmental Research

## **CHAPTER 4 REGULATORY LANDSCAPE**

Overview

Regulatory Scenario of AUVs

## **CHAPTER 5 EMERGING TECHNOLOGIES AND PATENT ANALYSIS**

Overview

Emerging Technologies

AI and ML

Swarm Technology

Underwater Communication Systems

Energy Harvesting

Patent Analysis

Regional Patterns

Key Findings

## **CHAPTER 6 MARKET SEGMENT ANALYSIS**

Segmentation Breakdown

Market Breakdown by Payload Type

Key Takeaways

Sensors

Inertial Navigation Systems (INS)

Others

Market Breakdown by Product Type

Key Takeaways

Shallow AUVs

Medium-sized AUVs

Large AUVs

Market Breakdown by Application

Key Takeaways

Military and Defense

Commercial

Academic

Geographic Breakdown

Market Breakdown by Region

Key Takeaways

North America

Europe

Asia-Pacific

Rest of the World

## **CHAPTER 7 COMPETITIVE LANDSCAPE**

Key Takeaways

Market Ecosystem Analysis

Component Suppliers

AUV Manufacturers

Original Equipment Manufacturers (OEMs)

Analysis of Key Companies

L3Harris Technologies Inc.

Kongsberg Maritime

Teledyne Marine Technologies Inc.

Saab AB

Exail

Strategic Analysis

Recent Developments

## **CHAPTER 8 ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) PERSPECTIVE**

Key Takeaways

Environmental Impact  
Social Impact  
Governance Impact  
Status of ESG in the AUV Market  
Concluding Remarks from BCC

## **CHAPTER 9 APPENDIX**

Research Methodology  
References  
Abbreviations  
Company Profiles  
ATLAS ELEKTRONIK GMBH  
BOSTON ENGINEERING  
EVOLOGICS GMBH  
EXAIL  
GENERAL DYNAMICS MISSION SYSTEMS INC.  
INTERNATIONAL SUBMARINE ENGINEERING LTD.  
KEARFOTT CORP.  
KLEIN  
KONGSBERG MARITIME  
KRAKEN ROBOTICS INC.  
L3HARRIS TECHNOLOGIES INC.  
LOCKHEED MARTIN CORP.  
OCEANEERING INTERNATIONAL INC.  
SAAB AB  
TELEDYNE MARINE TECHNOLOGIES INC.

## List Of Tables

### LIST OF TABLES

Summary Table : Global Market for AUVs, by Region, Through 2030

Table 1 : Porter's Five Forces: Rating Scale

Table 2 : Regulatory Scenario of AUVs, By Country

Table 3 : Key Published Patents on AUVs, June 2024–February 2025

Table 4 : Global Market for AUV, by Payload Type, Through 2030

Table 5 : Global Market for Sensors in AUVs, by Region, Through 2030

Table 6 : Global Market for AUV Sensor Payload, by Payload Type, Through 2030

Table 7 : Global Market for INS in AUVs, by Region, Through 2030

Table 8 : Global Market for Other Payload Types in AUV, by Region, Through 2030

Table 9 : Global Market for AUVs, by Product Type, Through 2030

Table 10 : Global Market for Shallow AUVs, by Region, Through 2030

Table 11 : Global Market for Medium-sized AUVs, by Region, Through 2030

Table 12 : Global Market for Large AUVs, by Region, Through 2030

Table 13 : Global Market for AUVs, by Application, Through 2030

Table 14 : Global Market for AUV in Military and Defense Applications, by Region, Through 2030

Table 15 : Global Market for AUV in Commercial Applications, by Region, Through 2030

Table 16 : Global Market for AUVs in Commercial Applications, by Application, Through 2030

Table 17 : Global Market for AUVs in Academic Applications, by Region, Through 2030

Table 18 : Global Market for AUVs in Academic Applications, by Application, Through 2030

Table 19 : Global Market for AUVs, by Region, Through 2030

Table 20 : North American Market for AUVs, by Country, Through 2030

Table 21 : North American Market for AUVs, by Payload Type, Through 2030

Table 22 : North American Market for AUVs, by Product Type, Through 2030

Table 23 : North American Market for AUVs, by Application, Through 2030

Table 24 : European Market for AUV, by Country, Through 2030

Table 25 : European Market for AUVs, by Payload Type, Through 2030

Table 26 : European Market for AUVs, by Product Type, Through 2030

Table 27 : European Market for AUVs, by Application, Through 2030

Table 28 : Asia-Pacific Market for AUVs, by Country, Through 2030

Table 29 : Asia-Pacific Market for AUVs, by Payload Type, Through 2030

Table 30 : Asia-Pacific Market for AUVs, by Product Type, Through 2030

Table 31 : Asia-Pacific Market for AUVs, by Application, Through 2030



Table 32 : RoW Market for AUVs, by Country, Through 2030
Table 33 : RoW Market for AUV, by Payload Type, Through 2030
Table 34 : RoW Market for AUVs, by Product Type, Through 2030
Table 35 : RoW Market for AUVs, by Application, Through 2030
Table 36 : Ranking of Top Five Providers in the Global Market for AUVs, 2024
Table 37 : Recent Developments in the Global AUV Market, 2024–2025
Table 38 : ESG Risk Ratings Metric, by Company, 2024
Table 39 : Abbreviations Used in the Report
Table 40 : Atlas Elektronik GmbH: Company Snapshot
Table 41 : Atlas Elektronik GmbH: Product Portfolio
Table 42 : Boston Engineering: Company Snapshot
Table 43 : Boston Engineering: Product Portfolio
Table 44 : EvoLogics GmbH: Company Snapshot
Table 45 : EvoLogics GmbH: Product Portfolio
Table 46 : Exail: Company Snapshot
Table 47 : Exail: Product Portfolio
Table 48 : General Dynamics Mission Systems Inc.: Company Snapshot
Table 49 : General Dynamics Mission Systems Inc.: Product Portfolio
Table 50 : International Submarine Engineering Ltd.: Company Snapshot
Table 51 : International Submarine Engineering Ltd.: Product Portfolio
Table 52 : Kearfott Corp.: Company Snapshot
Table 53 : Kearfott Corp.: Product Portfolio
Table 54 : Klein: Company Snapshot
Table 55 : Klein: Product Portfolio
Table 56 : Klein: News/Key Developments, 2025
Table 57 : Kongsberg Maritime: Company Snapshot
Table 58 : Kongsberg Maritime: Product Portfolio
Table 59 : Kraken Robotics Inc.: Company Snapshot
Table 60 : Kraken Robotics Inc.: Financial Performance, FY 2023 and 2024
Table 61 : Kraken Robotics Inc.: Product Portfolio
Table 62 : L3Harris Technologies Inc.: Company Snapshot
Table 63 : L3Harris Technologies Inc.: Financial Performance, FY 2023 and 2024
Table 64 : L3Harris Technologies Inc.: Product Portfolio
Table 65 : Lockheed Martin Corp.: Company Snapshot
Table 66 : Lockheed Martin Corp.: Financial Performance, FY 2023 and 2024
Table 67 : Lockheed Martin Corp.: Product Portfolio
Table 68 : Oceaneering International Inc.: Company Snapshot
Table 69 : Oceaneering International Inc.: Financial Performance, FY 2023 and 2024
Table 70 : Oceaneering International Inc.: Product Portfolio

Table 71 : Oceaneering International Inc.: News/Key Developments, 2024

Table 72 : Saab AB: Company Snapshot

Table 73 : Saab AB: Financial Performance, FY 2023 and 2024

Table 74 : Saab AB: Product Portfolio

Table 75 : Teledyne Marine Technologies Inc.: Company Snapshot

Table 76 : Teledyne Marine Technologies Inc.: Product Portfolio

## List Of Figures

### LIST OF FIGURES

Summary Figure : Global Market Shares of AUVs, by Region, 2024

Figure 1 : AUV Market: Value Chain Analysis

Figure 2 : Porter's Five Forces Analysis

Figure 3 : AUV Market: Bargaining Power of Suppliers

Figure 4 : AUV Market: Bargaining Power of Consumers

Figure 5 : AUV Market: Potential for New Entrants

Figure 6 : AUV Market: Competition in the Industry

Figure 7 : Market Dynamics of Autonomous Underwater Vehicles

Figure 8 : Emerging Technologies in AUVs

Figure 9 : Share of Published Patents and Patent Applications on AUVs, by Country/Organization, January 2024–February 2025

Figure 10 : Global Market Shares of AUV, by Payload Type, 2024

Figure 11 : Global Market Shares of Sensors in AUVs, by Region, 2024

Figure 12 : Global Market Shares of INS in AUVs, by Region, 2024

Figure 13 : Global Market Shares of Other Payload Types in AUVs, by Region, 2024

Figure 14 : Global Market Shares of AUVs, by Product Type, 2024

Figure 15 : Global Market Shares of Shallow AUVs, by Region, 2024

Figure 16 : Global Market Shares of Medium-sized AUVs, by Region, 2024

Figure 17 : Global Market Shares of Large AUVs, by Region, 2024

Figure 18 : Global Market Shares of AUVs, by Application, 2024

Figure 19 : Global Market Shares of AUVs in Military and Defense Applications, by Region, 2024

Figure 20 : Global Market Shares of AUVs in Commercial Applications, by Region, 2024

Figure 21 : Global Market Shares of AUVs in Academic Applications, by Region, 2024

Figure 22 : Global Market Shares of AUVs, by Region, 2024

Figure 23 : Kraken Robotics Inc.: Revenue Share, by Business Unit, FY 2024

Figure 24 : Kraken Robotics Inc.: Revenue Share, by Country/Region, FY 2024

Figure 25 : L3Harris Technologies Inc.: Revenue Share, by Business Unit, FY 2024

Figure 26 : L3Harris Technologies Inc.: Revenue Share, by Country/Region, FY 2024

Figure 27 : Lockheed Martin Corp.: Revenue Share, by Business Unit, FY 2024

Figure 28 : Lockheed Martin Corp.: Revenue Share, by Country/Region, FY 2024

Figure 29 : Oceaneering International Inc.: Revenue Share, by Business Unit, FY 2024

Figure 30 : Oceaneering International Inc.: Revenue Share, by Country/Region, FY 2024

Figure 31 : Saab AB: Revenue Share, by Business Unit, FY 2024

Figure 32 : Saab AB: Revenue Share, by Country/Region, FY 2024

## I would like to order

Product name: Autonomous Underwater Vehicles: Global Markets to 2030

Product link: <https://marketpublishers.com/r/A8DC2DD01BD4EN.html>

Price: US\$ 4,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A8DC2DD01BD4EN.html>