

# Unmanned Underwater Vehicles Market by Type (Autonomous Underwater Vehicles (AUVs), Remotely Operated Vehicles (ROVs)), Product Type, Propulsion, Application, System, Speed, Shape, Depth and Region - Global Forecast to 2030

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## Abstracts

The Unmanned Underwater Vehicles market is valued at USD 4.8 billion in 2024 and is projected to reach USD 11.1 billion by 2030, at a CAGR of 15.0% from 2024 to 2030. The growth of market is primarily driven by advancements in marine technology, increasing demands for autonomous underwater vehicles (AUVs) and remotely operated vehicles (ROVs) for deep-sea exploration, and the growth of offshore oil and gas exploration activities. The development of UUVs for strengthening maritime security and surveillance capabilities by various governments further propels the market growth.

'Based on ROV- Propulsion, the Electric systems segment is estimated to have the largest market share in 2024.'

The Electric systems segment in the unmanned underwater vehicles market is being driven by advancements in electric propulsion technology, improved power density, efficiency, and system integration. These electric systems are equipped with high-energy-density batteries and advanced power management which enables longer mission durations, greater depths of operation, and enhanced maneuverability. The increasing demands of electrically propelled ROVs in sectors such as offshore oil and gas exploration, underwater infrastructure inspection, and marine research is fueling the market growth of the segment.

'Based on AUV- Depth, the Deep (More than 1000m) segment is estimated to have the largest market share in 2024.'

The deep (more than 1000m) segment by AUV- Depth is being driven by advancements in high-pressure hull design, energy storage systems, and underwater navigation technologies. The AUVs has the ability to operate autonomously in extreme depths without any human intervention. The increasing demand for deep-sea mineral exploration, underwater infrastructure inspection, and environmental monitoring in larger ocean depths further fuels the market growth of the segment.

'Based on regions, the Asia Pacific region is estimated to have the largest market share in 2024.'

The Asia Pacific region is witnessing robust growth in the Unmanned Underwater Vehicles market, driven by the technological advancement. The nations across the region are actively developing unmanned underwater vehicles (UUVs) for commercial, scientific research and defense applications. The rising government initiatives and increasing naval budget for development of UUVs for various defense operations are driving the market growth for Unmanned Underwater Vehicles market.

The break-up of the profile of primary participants in the Unmanned Underwater Vehicles market:

By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20%

By Designation: C Level – 35%, Director Level – 25%, and Others – 40%

By Region: North America – 25%, Europe – 15%, Asia Pacific – 45%, Middle East – 10% Rest of the World (RoW) – 5%

Major companies profiled in the report include Kongsberg (Norway), Saab AB (Sweden), Oceaneering International, Inc. (US), Boeing (US), and Fugro (Netherlands) among others.

Research Coverage:

This market study covers the Unmanned Underwater Vehicles market across various segments and subsegments. It aims to estimate this market's size and growth potential across different parts based on type, propulsion, application, system, speed, shape, depth, and region. This study also includes an in-depth competitive analysis of the key

players in the market, their company profiles, key observations related to their product and business offerings, recent developments, and key market strategies they adopted.

Reasons to buy this report:

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall Unmanned Underwater Vehicles market. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, challenges, and opportunities. The Unmanned Underwater Vehicles market is experiencing substantial growth, primarily driven by the increasing need of UUVs for various commercial and defense applications. The increasing trend toward international cooperation and joint operations among nations is fostering demand for Unmanned Underwater Vehicles, contributing to regional and global stability. The report provides insights on the following pointers:

Market Drivers (rising defense spending in unmanned underwater vehicles worldwide, Technological advancement in AUVs, and Increasing use of UUVs for mine countermeasures and complex underwater research), restraints (the reliability crisis of UUVs in sensitive missions, high operational costs of UUVs, Limited endurance and range hindering broader deployment of UUVs), Opportunities (Development and incorporation of advanced technologies in UUVs, Increasing use of UUVs for mine disposal and anti- submarine warfare operations, growing demand for UUVs in offshore energy exploration) challenges (Slow underwater survey speed, robust legal and ethical frameworks of AUV adoption) there are several factors that could contribute to an increase in the unmanned underwater vehicles market.

Market Penetration: Comprehensive information on Unmanned Underwater Vehicles offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the Unmanned Underwater Vehicles market

Market Development: Comprehensive information about lucrative markets – the report analyses the Unmanned Underwater Vehicles market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the Unmanned Underwater Vehicles market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the Unmanned Underwater Vehicles market

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