

# Unmanned Underwater Vehicles (UUV) Market by Type (Remotely Operated Vehicle & Autonomous Underwater Vehicle), ROV & AUV Market by Application, Product, Propulsion System, System, and Region - Global Forecasts to 2025

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## Abstracts

The global UUV market size is projected to grow from USD 2.0 billion in 2020 to USD 4.4 billion by 2025, at a CAGR of 16.4% from 2020 to 2025. The market is driven by various factors, such as such as the growing number of deep-water offshore oil & gas production activities and increasing maritime security threats.

The UUV market includes major players Lockheed Martin Corporation (US), Saab AB (Sweden), Kongsberg Gruppen (Norway), Northrop Grumman Corporation (US), Oceaneering International, Inc. (US). These players have spread their business across various countries includes North America, Europe, Asia Pacific, Middle East, Africa, and South America. COVID-19 has impacted their businesses as well. Industry experts believe that COVID-19 could affect UUV production and services by 25–30% globally in 2020.

“Work Class Vehicles: The largest market share segment of the remotely operated vehicles market, by product type“

Work class vehicles is the product type segment contributing the largest share of the remotely operate vehicles market. Work class vehicles that weigh about 700 kg are known as light work class ROVs. These vehicles are used in engineering and scientific research to capture, measure, construct, or conceal items underwater. The maximum depth range for light work class ROVs is between 2,000 and 3,000 meters. Work class ROVs with robotic arm manipulators are used to grasp objects, pumps, and brushes for cleaning operations as well as for underwater pipeline or deep water rig construction. The electronic instruments used in work class ROVs include underwater cameras and lights; acoustic positioning instruments; Conductivity, Temperature, and Depth (CTD)

recording instruments; tracking systems; and side-scan, bottom scan, and multi-beam sonar.

“Electric Propulsion: largest market share segment of the remotely operated vehicles market, by propulsion type “

The electric propulsion is the fastest-growing segment of the UUV market. Electric systems contain lithium-ion batteries that are used in ROVs. The lithium-ion batteries are used in small ROVs for increased endurance and greater operating range. These batteries are commonly used in combination with other propulsion systems for improving the efficiency and reliability of ROVs.

“Asia Pacific: The fastest-growing region in the ROV market.”

Asia Pacific is projected to be the highest CAGR rate for the ROV market during the forecast period. The offshore industry in the Asia Pacific region is anticipated to witness positive growth. The oil & gas blocks in the South China Sea are expected to propel exploration activities in the near future. Furthermore, the approval granted by the government of New Zealand to carry out offshore drilling is projected to influence the utilization of UUVs for further seismic surveys.

Breakdown of primaries

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

- By Company Type: Tier 1–25%; Tier 2–45%; and Tier 3–30%
- By Designation: C Level–30%; Directors–30%; and Others–40%
- By Region: North America–45%; Europe–30%; Asia Pacific–15%; Middle East–5%; and South America & Africa–5%

Lockheed Martin Corporation (US), Saab AB (Sweden), Kongsberg Gruppen (Norway), Northrop Grumman Corporation (US), Oceaneering International, Inc. (US) are some of the leading players operating in the UUV market report.

Research Coverage

The study covers the UUV market across various segments and subsegments. It aims at estimating the size and growth potential of this market across different segments based on UUV Market By Type, ROV Market by System, By Application, By Product Type, By Propulsion System, AUV Market by System, By Application, By Propulsion Type, By Speed, By Depth, By Shape and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

### Reasons to Buy this Report

This report is expected to help market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall UUV Market and its segments. This study is also expected to provide region wise information about the applications, and wherein UUV is used. This report aims at helping the stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses, and plan suitable go-to-market strategies. This report is also expected to help them understand the pulse of the market and provide them with information on key drivers, restraints, challenges, and opportunities influencing the growth of the market.

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## **21 COMPANY PROFILES**

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)\*

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**FIGURE 61 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT**

21.1.2 SAAB AB

**FIGURE 62 SAAB AB: COMPANY SNAPSHOT**

21.1.3 KONGSBERG GRUPPEN

**FIGURE 63 KONGSBERG GRUPPEN: COMPANY SNAPSHOT**

21.1.4 THE BOEING COMPANY

**FIGURE 64 THE BOEING COMPANY: COMPANY SNAPSHOT**

21.1.5 NORTHROP GRUMMAN CORPORATION

**FIGURE 65 NORTHROP GRUMMAN CORPORATION: COMPANY SNAPSHOT**

21.1.6 BAE SYSTEMS PLC.

**FIGURE 66 BAE SYSTEMS PLC: COMPANY SNAPSHOT**

21.1.8 ATLAS ELEKTRONIK GMBH

21.1.9 INTERNATIONAL SUBMARINE ENGINEERING LTD.

21.1.10 FUGRO N.V.

**FIGURE 67 FUGRO N.V.: COMPANY SNAPSHOT**

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**FIGURE 68 TELEDYNE TECHNOLOGIES INC.: COMPANY SNAPSHOT**

21.1.12 OCEANEERING INTERNATIONAL, INC.

**FIGURE 69 OCEANEERING INTERNATIONAL, INC.: COMPANY SNAPSHOT**

21.1.13 SUBSEA 7 S.A.

**FIGURE 70 SUBSEA 7 S.A.: COMPANY SNAPSHOT**

21.1.14 BOSTON ENGINEERING CORPORATION

21.1.15 L3HARRIS OCEANSERVER

21.1.16 ECA GROUP

**FIGURE 71 ECA GROUP: COMPANY SNAPSHOT**

21.1.17 HYDROMEA

21.1.18 GABRI SRL

21.1.19 BALT ROBOTICS

21.1.20 CELLULA RBOTICS

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21.2.2 ORCA MARITIME

21.2.3 PLANYS TECHNOLOGIES

21.2.4 DEEP OCEAN ENGINEERING, INC.

21.2.5 TECHNIPFMC PLC

\*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

**22 UNMANNED UNDERWATER VEHICLES ADJACENT MARKET**

## 22.1 UNMANNED SURFACE VEHICLE (USV) MARKET

### 22.1.1 UNMANNED SURFACE VEHICLE (USV) MARKET, BY SIZE

FIGURE 72 SMALL USV SEGMENT EXPECTED TO RECORD HIGHEST CAGR FROM 2018 TO 2023

TABLE 465 UNMANNED SURFACE VEHICLE MARKET SIZE, BY SIZE, 2016–2023 (USD MILLION)

#### 22.1.1.1 Large 11 to 26 meters

22.1.1.1.1 Large sized USVs are increasingly used for mine countermeasure missions, anti-submarine warfare, and maritime shields

#### 22.1.1.2 Medium 7 to 11 meters

22.1.1.2.1 Medium sized USVs are increasingly used for pre-war and post-war maintenance and support by naval forces

#### 22.1.1.3 Extra large >26 meters

22.1.1.3.1 Extra-large sized USVs are used for missions that require large payloads and high autonomy

#### 22.1.1.4 Small

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