

# Unmanned Surface Vehicle (USV) Market Share, Types, Applications, Products, Growth, Insights and Forecasts Report 2032

*unmanned surface vehicle (USV) market is experiencing a surge in interest*

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/EINPresswire.com/ -- The global [unmanned surface vehicle \(USV\) market](#) is experiencing a surge in interest, with analysts predicting significant growth in the coming years. This press release delves into the current state of the USV market, exploring key trends, drivers, restraints, and exciting opportunities that lie ahead.



## Market Overview and Trends

Emergen Research suggests a market size of USD 2.1 billion in 2022, projected to grow to USD 3.38 billion by 2032 with a CAGR of 5.0%. Diverging estimates showcase the market's nascent stage, but all agree on a trajectory of steady growth.

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A key trend shaping the market is the increasing adoption of USVs across various industries. Traditionally used in defense and security for patrol and surveillance, USVs are finding applications in:

**Emergen Research:** Data collection and exploration efforts are benefitting from the cost-effectiveness and efficiency of USVs.

**Offshore Oil and Gas Exploration:** USVs are employed for tasks like pipeline inspection and

environmental monitoring.

**Hydrographic Surveying:** Mapping underwater features is becoming more streamlined with the use of unmanned vehicles.

### Drivers Fueling Market Growth

Several factors are propelling the USV market forward:

**Technological Advancements:** Innovations in areas like autonomous navigation, sensor technology, and communication systems are enhancing USV capabilities.

**Rising Demand for Efficiency and Safety:** USVs offer a safer alternative to manned operations in hazardous environments, reducing risks for human personnel.

**Growing Focus on Environmental Sustainability:** USVs can be deployed for tasks like pollution monitoring and cleanup, contributing to environmental protection efforts.

### Restraints Hindering Market Expansion

Despite the positive outlook, challenges remain:

**High Initial Investment Costs:** The development and acquisition of USVs can be expensive, limiting adoption for some players.

**Regulatory Uncertainty:** The legal framework governing autonomous vessels is still evolving, creating hesitation for some potential users.

**Cybersecurity Concerns:** The increasing reliance on automation necessitates robust cybersecurity measures to protect USVs from potential attacks.

### Growth Opportunities for the Future

The USV market presents exciting prospects for the future:

**Integration of Artificial Intelligence:** AI-powered USVs with enhanced decision-making capabilities will unlock new possibilities for autonomous operations.

**Development of Standardized Regulations:** Clear and internationally recognized regulations will provide a stable environment for USV adoption across borders.

**Commercialization of Emerging Applications:** New applications in areas like aquaculture, search and rescue, and underwater logistics will create additional growth avenues.

## Key Market Insights: A SWOT Analysis

### Strengths:

Increased operational efficiency and reduced risks compared to manned vessels.

Growing versatility with applications across diverse industries.

Potential for cost savings in areas like data collection and surveillance.

### Weaknesses:

High initial investment and ongoing maintenance costs.

Limited operational range for some USVs compared to larger manned vessels.

Reliance on robust communication infrastructure for data transmission.

### Opportunities:

Technological advancements leading to improved autonomy and capabilities.

Expansion into new application areas like aquaculture and logistics.

Development of standardized regulations fostering wider adoption.

### Threats:

Stringent cybersecurity requirements leading to increased operational complexity.

Potential regulatory hurdles and delays in approvals.

Competition from traditional manned vessels and alternative technologies like drones.

## Latest Strategic Developments and M&A Activity

In August 2022, Austal USA announced a partnership with California-based Saildrone to build the autonomous 'uncrewed' surface vehicle Saildrone Surveyor in Alabama. Goal of this partnership is to offer the U.S. Navy and other government agency customers a state-of-the-art solution for missions requiring persistent wide area coverage, such as hydrographic survey and maritime domain awareness.

In November 2021, In addition to expanding the Bowtech underwater camera, light, and underwater strobe range's distribution in Europe, the U.S., and Asia Pacific, Teledyne Marine and Seatronics' partnership enhanced the company's post-purchase support network worldwide through the use of regional service centers located in the U.S., Singapore, and the UK.

## Unmanned Surface Vehicle (USV) Top Companies and Competitive Landscape

The global Unmanned Surface Vehicle (USV) market is moderately fragmented, with many large and medium-sized players accounting for majority of market revenue. Major businesses are using a variety of tactics, making mergers and acquisitions, strategic agreements, and contracts, as well as creating, experimenting with, and introducing more efficient Unmanned Surface Vehicle (USV) solutions in the market.

Learn More About The Key Segments Shaping This Market Download Free Sample <https://www.emergenresearch.com/request-sample/2777>

Some major players included in the global Unmanned Surface Vehicle (USV) market report are:

L3Harris Technologies

Teledyne Marine

Atlas Elektronik

Liquid Robotics

ASV Global

Ocean Aero

Elbit Systems

Textron Systems

ECA Group

Maritime Robotics

Clearpath Robotics

SeaRobotics Corporation

Boston Engineering Corporation

Deep Ocean Engineering

5G International Inc.

Yanmar Company Limited

International Submarine Engineering (ISE)

Autonomous Surface Vehicles Ltd (ASV Ltd)

Kongsberg Maritime

Maritime Tactical Systems

Unmanned Surface Vehicle (USV) Market Segment Analysis

For the purpose of this report, Emergen Research has segmented the Unmanned Surface Vehicle (USV) market on the basis of type, application, deployment, enterprise size, component, vertical and region:

Application Outlook (Revenue, USD Billion; 2019-2032)

Defense

Surveillance

Mine Countermeasures (MCM)

Anti-Submarine Warfare (ASW)

Electronic Warfare (EW)

Others (border patrol, intelligence, reconnaissance)

Commercial

Oil & Gas Exploration

Environmental Monitoring

Oceanographic Research

Fishery Management

Search and Rescue

Others (shipping, port security)

Type Outlook (Revenue, USD Billion; 2019-2032)

Surface

Unmanned Surface Vehicle (USV)

Autonomous Surface Vehicle (ASV)

Subsurface

Autonomous Underwater Vehicle (AUV)

Remotely Operated Vehicle (ROV)

Mode of Operation Outlook (Revenue, USD Billion; 2019-2032)

Semi-Autonomous

Fully Autonomous

Size Outlook (Revenue, USD Billion; 2019-2032)

Small USVs

Medium USVs

Large USVs

Endurance (Revenue, USD Billion; 2019-2032)

Short (Up to 100 Hours)

Medium (100 - 500 Hours)

Long (500 - 1000 Hours)

Extra-Long (Above 1000 Hours)

Hull Type (Revenue, USD Billion; 2019-2032)

Kayak (Single Hull)

Catamaran (Twin Hull)

Trimaran (Triple Hull)

Rigid Inflatable Hull

Regional Outlook (Revenue, USD Billion; 2019-2032)

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Benelux

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Rest of APAC

Latin America

Brazil

Rest of LATAM

Middle East & Africa

Saudi Arabia

UAE

South Africa

Turkey

Rest of Middle East & Africa

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