

Global Autonomous Surface Vessels (ASVs) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Autonomous Surface Vessels (ASVs) market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Autonomous Surface Vessels (ASVs) are unmanned watercraft equipped with advanced navigation, control systems, and various sensors, enabling them to operate independently or be remotely controlled without human presence on board. They are utilized in a wide range of maritime applications, such as environmental monitoring, hydrographic surveys, defense, and offshore infrastructure inspection.

This report is a detailed and comprehensive analysis for global Autonomous Surface Vessels (ASVs) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Autonomous Surface Vessels (ASVs) market size and forecasts, in consumption

value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Autonomous Surface Vessels (ASVs) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Autonomous Surface Vessels (ASVs) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Autonomous Surface Vessels (ASVs) market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Autonomous Surface Vessels (ASVs)
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Autonomous Surface Vessels (ASVs) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CHCNAV, OceanAlpha, Qianxun Si, Hi-Target, South Survey, YSI (Xylem), L3Harris Technologies, Teledyne, ECA GROUP, Ocious, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Autonomous Surface Vessels (ASVs) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Wave-Powered Type

Propeller Driven Type

Market segment by Application

Oceanographic Research

Marine Environmental Protection

Military Use

Others

Major players covered

CHCNAV

OceanAlpha

Qianxun Si

Hi-Target

South Survey

YSI (Xylem)

L3Harris Technologies

Teledyne

ECA GROUP

Ocius

Searobotics

Elbit Systems

Saildrone

CSA Ocean Sciences

Unmanned Survey Solutions

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Autonomous Surface Vessels (ASVs) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Autonomous Surface Vessels (ASVs), with price, sales quantity, revenue, and global market share of Autonomous Surface Vessels (ASVs) from 2020 to 2025.

Chapter 3, the Autonomous Surface Vessels (ASVs) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Autonomous Surface Vessels (ASVs) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Autonomous Surface Vessels (ASVs) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Autonomous Surface Vessels (ASVs).

Chapter 14 and 15, to describe Autonomous Surface Vessels (ASVs) sales channel, distributors, customers, research findings and conclusion.

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