

Published by

ONIT

January 2022

UNCREWED SURFACE VEHICLE (USV)
Market Summary and Forecast
2021-2025

Contents

Executive Summary	4
Data Collection Market	8
Overview.....	8
Military Market.....	14
Overview.....	14
Applications.....	16
Mine Countermeasures (MCM).....	16
Belgium/Netherlands	16
United States.....	17
United Kingdom	18
France.....	18
Anglo-French SLAMF/MMCM Program	19
China/Russia	19
India.....	19
Australia.....	20
Singapore.....	20
Intelligence, Surveillance, and Reconnaissance (ISR).....	21
Israel.....	21
United States.....	22
United Kingdom	22
Singapore.....	22
Anti-Submarine Warfare (ASW).....	23
Surface Warfare.....	24
United States.....	24
Logistics.....	25

Market Forecast, 2021-2025.....	26
Summary	26
Data Collection.....	26
Military	27
Conclusion.....	29
Appendix.....	30
USV Manufacturers and Products	30

Tables

Data Collection USV Manufacturers.....	12
MCM USV Manufacturers	21
ISR USV Manufacturers	23
ASW USV Manufacturers.....	24

Charts

Data Collection USV Market, 2021-2025, in units	26
Data Collection USV Market, 2021-2025, in US\$ million.....	27
Military USV Market, 2021-2025, in units	28
Cumulative Military USV Market, 2021-2025, in US\$ million	28

Executive Summary

When we published our first report on the Autonomous Surface Vessel (USV) market at the beginning of 2020, we predicted that the market was approaching a pivotal period, where it could transform from an embryonic market based on long-term potential and hype to a mature market with measurable growth.

This is exactly what has happened since early 2020. In spite of COVID-19 and the uncertainties that the pandemic brought to the world, USVs have been embraced in both the defense and the commercial markets. The hints of a bright future that we identified in January 2020 have transformed into orders and a growing market. The acceptance of USV technology has resulted in the identification of new applications for their use. Perhaps most telling is that we have moved from the view that "maybe USVs could do this" to "we're using USVs to do this."

In addition to USVs showing up in all sorts of new applications, we are seeing signs of a supply chain building up around them. As will be shown in the pages of this report, companies involved in everything from deck equipment to marine repair to maritime communications are positioning themselves to service the developing USV market. They are not responding to a short-term need, either. These companies are recognizing the long-term potential for the market and are preparing for a make long-term involvement with USVs.

Getting back to COVID-19, our previous USV market report was published just as the pandemic-related lockdowns were occurring. It is interesting to note that in spite of the turmoil this caused on the financial markets, it seemed to have little impact on the USV market. In fact, as we noted above, the USV market has seen tremendous

advancement during this period. Again, as will be shown, USV companies have received significant financial investment in 2021. While it could be expected that military spending would be impacted little by the pandemic, commercial financing also seems to be largely available to USV makers, many of which are small start-ups.

Besides COVID-19 and other issues that might negatively impact the USV market, the reality is that the market is developing rapidly simply because USVs make sense. Human activity always has revolved around the oceans, but the reality is that working on the oceans is undeniably expensive. Looking back through history, empires have fallen because of the prohibitive expense and manpower drain involved in maintaining a large navy. Working at sea can also be dangerous and insurance rates are high.

Given these factors, it is not surprising that navies are investing in USVs at a breakneck pace. And these are not just the large navies; smaller navies see advantages in the technology as well. On the commercial side, many offshore operations that currently require crewed vessels could be performed by USVs at lower insurance costs and without putting people at risk. USV makers and their investors recognize this.

There are many factors driving the USV market and we will not get into them all, but we should mention one more: climate change. It