

Global Civil Unmanned Surface Vessel Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Civil Unmanned Surface Vessel market size is expected to reach \$ 322 million by 2032, rising at a market growth of 18.0% CAGR during the forecast period (2026-2032).

In 2025, global production of Civil Unmanned Surface Vessels reached 925 units, with an estimated average selling price of \$110,000 per vessel. A Civil Unmanned Surface Vessel is defined as an unmanned surface platform—operating in rivers, lakes, ports, coastal waters, or the open ocean—that carries no crew and is primarily utilized for non-military missions. Typically, a USV consists of a hull, a propulsion system, a power system (battery, fuel, or hybrid), a communication link, a GNSS/IMU navigation and positioning system, an autopilot/remote control system, mission payloads, and a ground control station. These vessels can execute tasks—such as hydrographic surveying, river and lake bathymetry, water quality monitoring, marine scientific research, port inspection, offshore wind/marine engineering operations and maintenance, emergency rescue, environmental law enforcement, and smart water management—via manual remote control, pre-set routes, semi-autonomous modes, or fully autonomous operation. The upstream segment of the industry encompasses components such as composite hulls, electric motors, thrusters, batteries, GNSS/IMU modules, communication modules, sonar, ADCPs, water quality sensors, and control software. The midstream segment covers hull manufacturing, power system integration, autopilot system integration, payload integration, and sea trials/verification. Downstream customers include water conservancy and hydrography departments, surveying and mapping firms, environmental protection agencies, port operators, marine research institutes, offshore energy and engineering enterprises, and rescue organizations. Gross margins range from approximately 20% to 50%.

Regionally, North America leads in high-end marine research and data services, while Europe is well-established in hydrography, environmental monitoring, and marine robotics. China is experiencing rapid growth in hydrographic surveying, smart water management, rescue operations, and environmental inspection applications; meanwhile, markets in the Asia-Pacific, the Middle East, and Latin America are driven by projects in ports, offshore engineering, water conservancy, and environmental protection. Moving forward, industry competition will center on automated data acquisition, hydrography, smart water management, offshore wind farm operations and maintenance, modular payloads, low-carbon electric platforms, and service-oriented business models.

This report studies the global Civil Unmanned Surface Vessel production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Civil Unmanned Surface Vessel and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Civil Unmanned Surface Vessel that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Civil Unmanned Surface Vessel total production and demand, 2021-2032, (Units)

Global Civil Unmanned Surface Vessel total production value, 2021-2032, (USD Million)

Global Civil Unmanned Surface Vessel production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Civil Unmanned Surface Vessel consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Civil Unmanned Surface Vessel domestic production, consumption, key domestic manufacturers and share

Global Civil Unmanned Surface Vessel production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Civil Unmanned Surface Vessel production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Civil Unmanned Surface Vessel production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Civil Unmanned Surface Vessel market based on the following parameters - company overview, production, value, price, gross

margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KONGSBERG, Liquid Robotics, Exail, Teledyne Marine, EvoLogics, SeaRobotics, RAFAEL, Elbit Systems, ALSEAMAR, Zhuhai Yunzhou Intelligence Technology, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Civil Unmanned Surface Vessel market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Civil Unmanned Surface Vessel Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Civil Unmanned Surface Vessel Market, Segmentation by Type:

Small Portable (Weight: 20–80 kg; Payload: 5–30 kg)

Small-to-Medium (Weight: 80–300 kg; Payload: 20–100 kg)

Medium (Weight: 300–2,000 kg; Payload: 100–500 kg)

Large (Weight: 2–20 t; Payload: 300–2,000 kg)

Global Civil Unmanned Surface Vessel Market, Segmentation by Control Method:

Pure Remote Control

Remote Control + Semi-Autonomous

Remote Control + Fully Autonomous Mission-Based

Swarm Collaboration

Global Civil Unmanned Surface Vessel Market, Segmentation by Propulsion Method:

Pure Electric

Fuel-Powered

Hybrid

Solar/Wind/Wave-Assisted

Global Civil Unmanned Surface Vessel Market, Segmentation by Application:

Hydrographic Surveying

Environmental Monitoring

Marine Scientific Research

Others

Companies Profiled:

KONGSBERG

Liquid Robotics

Exail

Teledyne Marine

EvoLogics

SeaRobotics

RAFAEL

Elbit Systems

ALSEAMAR

Zhuhai Yunzhou Intelligence Technology

Guangzhou Hi-target Navigation Tech

Shanghai Huace Navigation Technology

CSIC

Northrop Grumman

QinetiQ

L3Harris

Maritime Robotics

Ocean Power Technologies

Textron Systems

Key Questions Answered:

1. How big is the global Civil Unmanned Surface Vessel market?
2. What is the demand of the global Civil Unmanned Surface Vessel market?
3. What is the year over year growth of the global Civil Unmanned Surface Vessel market?
4. What is the production and production value of the global Civil Unmanned Surface Vessel market?
5. Who are the key producers in the global Civil Unmanned Surface Vessel market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Civil Unmanned Surface Vessel Introduction
- 1.2 World Civil Unmanned Surface Vessel Supply & Forecast
 - 1.2.1 World Civil Unmanned Surface Vessel Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Civil Unmanned Surface Vessel Production (2021-2032)
 - 1.2.3 World Civil Unmanned Surface Vessel Pricing Trends (2021-2032)
- 1.3 World Civil Unmanned Surface Vessel Production by Region (Based on Production Site)
 - 1.3.1 World Civil Unmanned Surface Vessel Production Value by Region (2021-2032)
 - 1.3.2 World Civil Unmanned Surface Vessel Production by Region (2021-2032)
 - 1.3.3 World Civil Unmanned Surface Vessel Average Price by Region (2021-2032)
 - 1.3.4 North America Civil Unmanned Surface Vessel Production (2021-2032)
 - 1.3.5 Europe Civil Unmanned Surface Vessel Production (2021-2032)
 - 1.3.6 China Civil Unmanned Surface Vessel Production (2021-2032)
 - 1.3.7 Israel Civil Unmanned Surface Vessel Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Civil Unmanned Surface Vessel Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Civil Unmanned Surface Vessel Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Civil Unmanned Surface Vessel Demand (2021-2032)
- 2.2 World Civil Unmanned Surface Vessel Consumption by Region
 - 2.2.1 World Civil Unmanned Surface Vessel Consumption by Region (2021-2026)
 - 2.2.2 World Civil Unmanned Surface Vessel Consumption Forecast by Region (2027-2032)
- 2.3 United States Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.4 China Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.5 Europe Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.6 Japan Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.7 South Korea Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.8 ASEAN Civil Unmanned Surface Vessel Consumption (2021-2032)
- 2.9 India Civil Unmanned Surface Vessel Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Civil Unmanned Surface Vessel Production Value by Manufacturer (2021-2026)
- 3.2 World Civil Unmanned Surface Vessel Production by Manufacturer (2021-2026)
- 3.3 World Civil Unmanned Surface Vessel Average Price by Manufacturer (2021-2026)
- 3.4 Civil Unmanned Surface Vessel Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Civil Unmanned Surface Vessel Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Civil Unmanned Surface Vessel in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Civil Unmanned Surface Vessel in 2025
- 3.6 Civil Unmanned Surface Vessel Market: Overall Company Footprint Analysis
 - 3.6.1 Civil Unmanned Surface Vessel Market: Region Footprint
 - 3.6.2 Civil Unmanned Surface Vessel Market: Company Product Type Footprint
 - 3.6.3 Civil Unmanned Surface Vessel Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Civil Unmanned Surface Vessel Production Value Comparison
 - 4.1.1 United States VS China: Civil Unmanned Surface Vessel Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Civil Unmanned Surface Vessel Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Civil Unmanned Surface Vessel Production Comparison
 - 4.2.1 United States VS China: Civil Unmanned Surface Vessel Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Civil Unmanned Surface Vessel Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Civil Unmanned Surface Vessel Consumption Comparison
 - 4.3.1 United States VS China: Civil Unmanned Surface Vessel Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Civil Unmanned Surface Vessel Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Civil Unmanned Surface Vessel Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Civil Unmanned Surface Vessel Production Value (2021-2026)

4.4.3 United States Based Manufacturers Civil Unmanned Surface Vessel Production (2021-2026)

4.5 China Based Civil Unmanned Surface Vessel Manufacturers and Market Share

4.5.1 China Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Civil Unmanned Surface Vessel Production Value (2021-2026)

4.5.3 China Based Manufacturers Civil Unmanned Surface Vessel Production (2021-2026)

4.6 Rest of World Based Civil Unmanned Surface Vessel Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Civil Unmanned Surface Vessel Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Small Portable (Weight: 20–80 kg; Payload: 5–30 kg)

5.2.2 Small-to-Medium (Weight: 80–300 kg; Payload: 20–100 kg)

5.2.3 Medium (Weight: 300–2,000 kg; Payload: 100–500 kg)

5.2.4 Large (Weight: 2–20 t; Payload: 300–2,000 kg)

5.3 Market Segment by Type

5.3.1 World Civil Unmanned Surface Vessel Production by Type (2021-2032)

5.3.2 World Civil Unmanned Surface Vessel Production Value by Type (2021-2032)

5.3.3 World Civil Unmanned Surface Vessel Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CONTROL METHOD

6.1 World Civil Unmanned Surface Vessel Market Size Overview by Control Method:
2021 VS 2025 VS 2032

6.2 Segment Introduction by Control Method

6.2.1 Pure Remote Control

6.2.2 Remote Control + Semi-Autonomous

6.2.3 Remote Control + Fully Autonomous Mission-Based

6.2.4 Swarm Collaboration

6.3 Market Segment by Control Method

6.3.1 World Civil Unmanned Surface Vessel Production by Control Method
(2021-2032)

6.3.2 World Civil Unmanned Surface Vessel Production Value by Control Method
(2021-2032)

6.3.3 World Civil Unmanned Surface Vessel Average Price by Control Method
(2021-2032)

7 MARKET ANALYSIS BY PROPULSION METHOD

7.1 World Civil Unmanned Surface Vessel Market Size Overview by Propulsion Method:
2021 VS 2025 VS 2032

7.2 Segment Introduction by Propulsion Method

7.2.1 Pure Electric

7.2.2 Fuel-Powered

7.2.3 Hybrid

7.2.4 Solar/Wind/Wave-Assisted

7.3 Market Segment by Propulsion Method

7.3.1 World Civil Unmanned Surface Vessel Production by Propulsion Method
(2021-2032)

7.3.2 World Civil Unmanned Surface Vessel Production Value by Propulsion Method
(2021-2032)

7.3.3 World Civil Unmanned Surface Vessel Average Price by Propulsion Method
(2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Civil Unmanned Surface Vessel Market Size Overview by Application: 2021
VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Hydrographic Surveying

8.2.2 Environmental Monitoring

8.2.3 Marine Scientific Research

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Civil Unmanned Surface Vessel Production by Application (2021-2032)

8.3.2 World Civil Unmanned Surface Vessel Production Value by Application (2021-2032)

8.3.3 World Civil Unmanned Surface Vessel Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 KONGSBERG

9.1.1 KONGSBERG Details

9.1.2 KONGSBERG Major Business

9.1.3 KONGSBERG Civil Unmanned Surface Vessel Product and Services

9.1.4 KONGSBERG Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 KONGSBERG Recent Developments/Updates

9.1.6 KONGSBERG Competitive Strengths & Weaknesses

9.2 Liquid Robotics

9.2.1 Liquid Robotics Details

9.2.2 Liquid Robotics Major Business

9.2.3 Liquid Robotics Civil Unmanned Surface Vessel Product and Services

9.2.4 Liquid Robotics Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Liquid Robotics Recent Developments/Updates

9.2.6 Liquid Robotics Competitive Strengths & Weaknesses

9.3 Exail

9.3.1 Exail Details

9.3.2 Exail Major Business

9.3.3 Exail Civil Unmanned Surface Vessel Product and Services

9.3.4 Exail Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Exail Recent Developments/Updates

9.3.6 Exail Competitive Strengths & Weaknesses

9.4 Teledyne Marine

9.4.1 Teledyne Marine Details

9.4.2 Teledyne Marine Major Business

9.4.3 Teledyne Marine Civil Unmanned Surface Vessel Product and Services

9.4.4 Teledyne Marine Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Teledyne Marine Recent Developments/Updates

9.4.6 Teledyne Marine Competitive Strengths & Weaknesses

9.5 EvoLogics

9.5.1 EvoLogics Details

9.5.2 EvoLogics Major Business

9.5.3 EvoLogics Civil Unmanned Surface Vessel Product and Services

9.5.4 EvoLogics Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 EvoLogics Recent Developments/Updates

9.5.6 EvoLogics Competitive Strengths & Weaknesses

9.6 SeaRobotics

9.6.1 SeaRobotics Details

9.6.2 SeaRobotics Major Business

9.6.3 SeaRobotics Civil Unmanned Surface Vessel Product and Services

9.6.4 SeaRobotics Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 SeaRobotics Recent Developments/Updates

9.6.6 SeaRobotics Competitive Strengths & Weaknesses

9.7 RAFAEL

9.7.1 RAFAEL Details

9.7.2 RAFAEL Major Business

9.7.3 RAFAEL Civil Unmanned Surface Vessel Product and Services

9.7.4 RAFAEL Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 RAFAEL Recent Developments/Updates

9.7.6 RAFAEL Competitive Strengths & Weaknesses

9.8 Elbit Systems

9.8.1 Elbit Systems Details

9.8.2 Elbit Systems Major Business

9.8.3 Elbit Systems Civil Unmanned Surface Vessel Product and Services

9.8.4 Elbit Systems Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Elbit Systems Recent Developments/Updates

9.8.6 Elbit Systems Competitive Strengths & Weaknesses

9.9 ALSEAMAR

9.9.1 ALSEAMAR Details

9.9.2 ALSEAMAR Major Business

- 9.9.3 ALSEAMAR Civil Unmanned Surface Vessel Product and Services
- 9.9.4 ALSEAMAR Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.9.5 ALSEAMAR Recent Developments/Updates
- 9.9.6 ALSEAMAR Competitive Strengths & Weaknesses
- 9.10 Zhuhai Yunzhou Intelligence Technology
 - 9.10.1 Zhuhai Yunzhou Intelligence Technology Details
 - 9.10.2 Zhuhai Yunzhou Intelligence Technology Major Business
 - 9.10.3 Zhuhai Yunzhou Intelligence Technology Civil Unmanned Surface Vessel Product and Services
 - 9.10.4 Zhuhai Yunzhou Intelligence Technology Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Zhuhai Yunzhou Intelligence Technology Recent Developments/Updates
 - 9.10.6 Zhuhai Yunzhou Intelligence Technology Competitive Strengths & Weaknesses
- 9.11 Guangzhou Hi-target Navigation Tech
 - 9.11.1 Guangzhou Hi-target Navigation Tech Details
 - 9.11.2 Guangzhou Hi-target Navigation Tech Major Business
 - 9.11.3 Guangzhou Hi-target Navigation Tech Civil Unmanned Surface Vessel Product and Services
 - 9.11.4 Guangzhou Hi-target Navigation Tech Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.11.5 Guangzhou Hi-target Navigation Tech Recent Developments/Updates
 - 9.11.6 Guangzhou Hi-target Navigation Tech Competitive Strengths & Weaknesses
- 9.12 Shanghai Huace Navigation Technology
 - 9.12.1 Shanghai Huace Navigation Technology Details
 - 9.12.2 Shanghai Huace Navigation Technology Major Business
 - 9.12.3 Shanghai Huace Navigation Technology Civil Unmanned Surface Vessel Product and Services
 - 9.12.4 Shanghai Huace Navigation Technology Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Shanghai Huace Navigation Technology Recent Developments/Updates
 - 9.12.6 Shanghai Huace Navigation Technology Competitive Strengths & Weaknesses
- 9.13 CSIC
 - 9.13.1 CSIC Details
 - 9.13.2 CSIC Major Business
 - 9.13.3 CSIC Civil Unmanned Surface Vessel Product and Services
 - 9.13.4 CSIC Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 CSIC Recent Developments/Updates

- 9.13.6 CSIC Competitive Strengths & Weaknesses
- 9.14 Northrop Grumman
 - 9.14.1 Northrop Grumman Details
 - 9.14.2 Northrop Grumman Major Business
 - 9.14.3 Northrop Grumman Civil Unmanned Surface Vessel Product and Services
 - 9.14.4 Northrop Grumman Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Northrop Grumman Recent Developments/Updates
 - 9.14.6 Northrop Grumman Competitive Strengths & Weaknesses
- 9.15 QinetiQ
 - 9.15.1 QinetiQ Details
 - 9.15.2 QinetiQ Major Business
 - 9.15.3 QinetiQ Civil Unmanned Surface Vessel Product and Services
 - 9.15.4 QinetiQ Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 QinetiQ Recent Developments/Updates
 - 9.15.6 QinetiQ Competitive Strengths & Weaknesses
- 9.16 L3Harris
 - 9.16.1 L3Harris Details
 - 9.16.2 L3Harris Major Business
 - 9.16.3 L3Harris Civil Unmanned Surface Vessel Product and Services
 - 9.16.4 L3Harris Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 L3Harris Recent Developments/Updates
 - 9.16.6 L3Harris Competitive Strengths & Weaknesses
- 9.17 Maritime Robotics
 - 9.17.1 Maritime Robotics Details
 - 9.17.2 Maritime Robotics Major Business
 - 9.17.3 Maritime Robotics Civil Unmanned Surface Vessel Product and Services
 - 9.17.4 Maritime Robotics Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Maritime Robotics Recent Developments/Updates
 - 9.17.6 Maritime Robotics Competitive Strengths & Weaknesses
- 9.18 Ocean Power Technologies
 - 9.18.1 Ocean Power Technologies Details
 - 9.18.2 Ocean Power Technologies Major Business
 - 9.18.3 Ocean Power Technologies Civil Unmanned Surface Vessel Product and Services
 - 9.18.4 Ocean Power Technologies Civil Unmanned Surface Vessel Production, Price,

Value, Gross Margin and Market Share (2021-2026)

9.18.5 Ocean Power Technologies Recent Developments/Updates

9.18.6 Ocean Power Technologies Competitive Strengths & Weaknesses

9.19 Textron Systems

9.19.1 Textron Systems Details

9.19.2 Textron Systems Major Business

9.19.3 Textron Systems Civil Unmanned Surface Vessel Product and Services

9.19.4 Textron Systems Civil Unmanned Surface Vessel Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.19.5 Textron Systems Recent Developments/Updates

9.19.6 Textron Systems Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Civil Unmanned Surface Vessel Industry Chain

10.2 Civil Unmanned Surface Vessel Upstream Analysis

10.2.1 Civil Unmanned Surface Vessel Core Raw Materials

10.2.2 Main Manufacturers of Civil Unmanned Surface Vessel Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Civil Unmanned Surface Vessel Production Mode

10.6 Civil Unmanned Surface Vessel Procurement Model

10.7 Civil Unmanned Surface Vessel Industry Sales Model and Sales Channels

10.7.1 Civil Unmanned Surface Vessel Sales Model

10.7.2 Civil Unmanned Surface Vessel Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Civil Unmanned Surface Vessel Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Civil Unmanned Surface Vessel Production Value by Region (2021-2026) & (USD Million)

Table 3. World Civil Unmanned Surface Vessel Production Value by Region (2027-2032) & (USD Million)

Table 4. World Civil Unmanned Surface Vessel Production Value Market Share by Region (2021-2026)

Table 5. World Civil Unmanned Surface Vessel Production Value Market Share by Region (2027-2032)

Table 6. World Civil Unmanned Surface Vessel Production by Region (2021-2026) & (Units)

Table 7. World Civil Unmanned Surface Vessel Production by Region (2027-2032) & (Units)

Table 8. World Civil Unmanned Surface Vessel Production Market Share by Region (2021-2026)

Table 9. World Civil Unmanned Surface Vessel Production Market Share by Region (2027-2032)

Table 10. World Civil Unmanned Surface Vessel Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Civil Unmanned Surface Vessel Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Civil Unmanned Surface Vessel Major Market Trends

Table 13. World Civil Unmanned Surface Vessel Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Units)

Table 14. World Civil Unmanned Surface Vessel Consumption by Region (2021-2026) & (Units)

Table 15. World Civil Unmanned Surface Vessel Consumption Forecast by Region (2027-2032) & (Units)

Table 16. World Civil Unmanned Surface Vessel Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Civil Unmanned Surface Vessel Producers in 2025

Table 18. World Civil Unmanned Surface Vessel Production by Manufacturer (2021-2026) & (Units)

Table 19. Production Market Share of Key Civil Unmanned Surface Vessel Producers in 2025

Table 20. World Civil Unmanned Surface Vessel Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Civil Unmanned Surface Vessel Company Evaluation Quadrant

Table 22. World Civil Unmanned Surface Vessel Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Civil Unmanned Surface Vessel Production Site of Key Manufacturer

Table 24. Civil Unmanned Surface Vessel Market: Company Product Type Footprint

Table 25. Civil Unmanned Surface Vessel Market: Company Product Application Footprint

Table 26. Civil Unmanned Surface Vessel Competitive Factors

Table 27. Civil Unmanned Surface Vessel New Entrant and Capacity Expansion Plans

Table 28. Civil Unmanned Surface Vessel Mergers & Acquisitions Activity

Table 29. United States VS China Civil Unmanned Surface Vessel Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Civil Unmanned Surface Vessel Production Comparison, (2021 & 2025 & 2032) & (Units)

Table 31. United States VS China Civil Unmanned Surface Vessel Consumption Comparison, (2021 & 2025 & 2032) & (Units)

Table 32. United States Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Civil Unmanned Surface Vessel Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Civil Unmanned Surface Vessel Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Civil Unmanned Surface Vessel Production (2021-2026) & (Units)

Table 36. United States Based Manufacturers Civil Unmanned Surface Vessel Production Market Share (2021-2026)

Table 37. China Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Civil Unmanned Surface Vessel Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Civil Unmanned Surface Vessel Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Civil Unmanned Surface Vessel Production, (2021-2026) & (Units)

Table 41. China Based Manufacturers Civil Unmanned Surface Vessel Production Market Share (2021-2026)

Table 42. Rest of World Based Civil Unmanned Surface Vessel Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production, (2021-2026) & (Units)

Table 46. Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production Market Share (2021-2026)

Table 47. World Civil Unmanned Surface Vessel Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Civil Unmanned Surface Vessel Production by Type (2021-2026) & (Units)

Table 49. World Civil Unmanned Surface Vessel Production by Type (2027-2032) & (Units)

Table 50. World Civil Unmanned Surface Vessel Production Value by Type (2021-2026) & (USD Million)

Table 51. World Civil Unmanned Surface Vessel Production Value by Type (2027-2032) & (USD Million)

Table 52. World Civil Unmanned Surface Vessel Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Civil Unmanned Surface Vessel Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Civil Unmanned Surface Vessel Production Value by Control Method, (USD Million), 2021 & 2025 & 2032

Table 55. World Civil Unmanned Surface Vessel Production by Control Method (2021-2026) & (Units)

Table 56. World Civil Unmanned Surface Vessel Production by Control Method (2027-2032) & (Units)

Table 57. World Civil Unmanned Surface Vessel Production Value by Control Method (2021-2026) & (USD Million)

Table 58. World Civil Unmanned Surface Vessel Production Value by Control Method (2027-2032) & (USD Million)

Table 59. World Civil Unmanned Surface Vessel Average Price by Control Method (2021-2026) & (US\$/Unit)

Table 60. World Civil Unmanned Surface Vessel Average Price by Control Method

(2027-2032) & (US\$/Unit)

Table 61. World Civil Unmanned Surface Vessel Production Value by Propulsion Method, (USD Million), 2021 & 2025 & 2032

Table 62. World Civil Unmanned Surface Vessel Production by Propulsion Method (2021-2026) & (Units)

Table 63. World Civil Unmanned Surface Vessel Production by Propulsion Method (2027-2032) & (Units)

Table 64. World Civil Unmanned Surface Vessel Production Value by Propulsion Method (2021-2026) & (USD Million)

Table 65. World Civil Unmanned Surface Vessel Production Value by Propulsion Method (2027-2032) & (USD Million)

Table 66. World Civil Unmanned Surface Vessel Average Price by Propulsion Method (2021-2026) & (US\$/Unit)

Table 67. World Civil Unmanned Surface Vessel Average Price by Propulsion Method (2027-2032) & (US\$/Unit)

Table 68. World Civil Unmanned Surface Vessel Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Civil Unmanned Surface Vessel Production by Application (2021-2026) & (Units)

Table 70. World Civil Unmanned Surface Vessel Production by Application (2027-2032) & (Units)

Table 71. World Civil Unmanned Surface Vessel Production Value by Application (2021-2026) & (USD Million)

Table 72. World Civil Unmanned Surface Vessel Production Value by Application (2027-2032) & (USD Million)

Table 73. World Civil Unmanned Surface Vessel Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Civil Unmanned Surface Vessel Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. KONGSBERG Basic Information, Manufacturing Base and Competitors

Table 76. KONGSBERG Major Business

Table 77. KONGSBERG Civil Unmanned Surface Vessel Product and Services

Table 78. KONGSBERG Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. KONGSBERG Recent Developments/Updates

Table 80. KONGSBERG Competitive Strengths & Weaknesses

Table 81. Liquid Robotics Basic Information, Manufacturing Base and Competitors

Table 82. Liquid Robotics Major Business

Table 83. Liquid Robotics Civil Unmanned Surface Vessel Product and Services

Table 84. Liquid Robotics Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Liquid Robotics Recent Developments/Updates

Table 86. Liquid Robotics Competitive Strengths & Weaknesses

Table 87. Exail Basic Information, Manufacturing Base and Competitors

Table 88. Exail Major Business

Table 89. Exail Civil Unmanned Surface Vessel Product and Services

Table 90. Exail Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Exail Recent Developments/Updates

Table 92. Exail Competitive Strengths & Weaknesses

Table 93. Teledyne Marine Basic Information, Manufacturing Base and Competitors

Table 94. Teledyne Marine Major Business

Table 95. Teledyne Marine Civil Unmanned Surface Vessel Product and Services

Table 96. Teledyne Marine Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Teledyne Marine Recent Developments/Updates

Table 98. Teledyne Marine Competitive Strengths & Weaknesses

Table 99. EvoLogics Basic Information, Manufacturing Base and Competitors

Table 100. EvoLogics Major Business

Table 101. EvoLogics Civil Unmanned Surface Vessel Product and Services

Table 102. EvoLogics Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. EvoLogics Recent Developments/Updates

Table 104. EvoLogics Competitive Strengths & Weaknesses

Table 105. SeaRobotics Basic Information, Manufacturing Base and Competitors

Table 106. SeaRobotics Major Business

Table 107. SeaRobotics Civil Unmanned Surface Vessel Product and Services

Table 108. SeaRobotics Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. SeaRobotics Recent Developments/Updates

Table 110. SeaRobotics Competitive Strengths & Weaknesses

Table 111. RAFAEL Basic Information, Manufacturing Base and Competitors

Table 112. RAFAEL Major Business

- Table 113. RAFAEL Civil Unmanned Surface Vessel Product and Services
- Table 114. RAFAEL Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 115. RAFAEL Recent Developments/Updates
- Table 116. RAFAEL Competitive Strengths & Weaknesses
- Table 117. Elbit Systems Basic Information, Manufacturing Base and Competitors
- Table 118. Elbit Systems Major Business
- Table 119. Elbit Systems Civil Unmanned Surface Vessel Product and Services
- Table 120. Elbit Systems Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 121. Elbit Systems Recent Developments/Updates
- Table 122. Elbit Systems Competitive Strengths & Weaknesses
- Table 123. ALSEAMAR Basic Information, Manufacturing Base and Competitors
- Table 124. ALSEAMAR Major Business
- Table 125. ALSEAMAR Civil Unmanned Surface Vessel Product and Services
- Table 126. ALSEAMAR Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 127. ALSEAMAR Recent Developments/Updates
- Table 128. ALSEAMAR Competitive Strengths & Weaknesses
- Table 129. Zhuhai Yunzhou Intelligence Technology Basic Information, Manufacturing Base and Competitors
- Table 130. Zhuhai Yunzhou Intelligence Technology Major Business
- Table 131. Zhuhai Yunzhou Intelligence Technology Civil Unmanned Surface Vessel Product and Services
- Table 132. Zhuhai Yunzhou Intelligence Technology Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Zhuhai Yunzhou Intelligence Technology Recent Developments/Updates
- Table 134. Zhuhai Yunzhou Intelligence Technology Competitive Strengths & Weaknesses
- Table 135. Guangzhou Hi-target Navigation Tech Basic Information, Manufacturing Base and Competitors
- Table 136. Guangzhou Hi-target Navigation Tech Major Business
- Table 137. Guangzhou Hi-target Navigation Tech Civil Unmanned Surface Vessel Product and Services
- Table 138. Guangzhou Hi-target Navigation Tech Civil Unmanned Surface Vessel

Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Guangzhou Hi-target Navigation Tech Recent Developments/Updates

Table 140. Guangzhou Hi-target Navigation Tech Competitive Strengths & Weaknesses

Table 141. Shanghai Huace Navigation Technology Basic Information, Manufacturing Base and Competitors

Table 142. Shanghai Huace Navigation Technology Major Business

Table 143. Shanghai Huace Navigation Technology Civil Unmanned Surface Vessel Product and Services

Table 144. Shanghai Huace Navigation Technology Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Shanghai Huace Navigation Technology Recent Developments/Updates

Table 146. Shanghai Huace Navigation Technology Competitive Strengths & Weaknesses

Table 147. CSIC Basic Information, Manufacturing Base and Competitors

Table 148. CSIC Major Business

Table 149. CSIC Civil Unmanned Surface Vessel Product and Services

Table 150. CSIC Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. CSIC Recent Developments/Updates

Table 152. CSIC Competitive Strengths & Weaknesses

Table 153. Northrop Grumman Basic Information, Manufacturing Base and Competitors

Table 154. Northrop Grumman Major Business

Table 155. Northrop Grumman Civil Unmanned Surface Vessel Product and Services

Table 156. Northrop Grumman Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Northrop Grumman Recent Developments/Updates

Table 158. Northrop Grumman Competitive Strengths & Weaknesses

Table 159. QinetiQ Basic Information, Manufacturing Base and Competitors

Table 160. QinetiQ Major Business

Table 161. QinetiQ Civil Unmanned Surface Vessel Product and Services

Table 162. QinetiQ Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. QinetiQ Recent Developments/Updates

Table 164. QinetiQ Competitive Strengths & Weaknesses

Table 165. L3Harris Basic Information, Manufacturing Base and Competitors

Table 166. L3Harris Major Business

Table 167. L3Harris Civil Unmanned Surface Vessel Product and Services

Table 168. L3Harris Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. L3Harris Recent Developments/Updates

Table 170. L3Harris Competitive Strengths & Weaknesses

Table 171. Maritime Robotics Basic Information, Manufacturing Base and Competitors

Table 172. Maritime Robotics Major Business

Table 173. Maritime Robotics Civil Unmanned Surface Vessel Product and Services

Table 174. Maritime Robotics Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. Maritime Robotics Recent Developments/Updates

Table 176. Maritime Robotics Competitive Strengths & Weaknesses

Table 177. Ocean Power Technologies Basic Information, Manufacturing Base and Competitors

Table 178. Ocean Power Technologies Major Business

Table 179. Ocean Power Technologies Civil Unmanned Surface Vessel Product and Services

Table 180. Ocean Power Technologies Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Ocean Power Technologies Recent Developments/Updates

Table 182. Ocean Power Technologies Competitive Strengths & Weaknesses

Table 183. Textron Systems Basic Information, Manufacturing Base and Competitors

Table 184. Textron Systems Major Business

Table 185. Textron Systems Civil Unmanned Surface Vessel Product and Services

Table 186. Textron Systems Civil Unmanned Surface Vessel Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Textron Systems Recent Developments/Updates

Table 188. Textron Systems Competitive Strengths & Weaknesses

Table 189. Global Key Players of Civil Unmanned Surface Vessel Upstream (Raw Materials)

Table 190. Global Civil Unmanned Surface Vessel Typical Customers

Table 191. Civil Unmanned Surface Vessel Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Civil Unmanned Surface Vessel Picture

Figure 2. World Civil Unmanned Surface Vessel Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Civil Unmanned Surface Vessel Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Civil Unmanned Surface Vessel Production (2021-2032) & (Units)

Figure 5. World Civil Unmanned Surface Vessel Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Civil Unmanned Surface Vessel Production Value Market Share by Region (2021-2032)

Figure 7. World Civil Unmanned Surface Vessel Production Market Share by Region (2021-2032)

Figure 8. North America Civil Unmanned Surface Vessel Production (2021-2032) & (Units)

Figure 9. Europe Civil Unmanned Surface Vessel Production (2021-2032) & (Units)

Figure 10. China Civil Unmanned Surface Vessel Production (2021-2032) & (Units)

Figure 11. Israel Civil Unmanned Surface Vessel Production (2021-2032) & (Units)

Figure 12. Civil Unmanned Surface Vessel Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 15. World Civil Unmanned Surface Vessel Consumption Market Share by Region (2021-2032)

Figure 16. United States Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 17. China Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 18. Europe Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 19. Japan Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 20. South Korea Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 21. ASEAN Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 22. India Civil Unmanned Surface Vessel Consumption (2021-2032) & (Units)

Figure 23. Producer Shipments of Civil Unmanned Surface Vessel by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Civil Unmanned Surface Vessel Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Civil Unmanned Surface Vessel Markets in 2025

Figure 26. United States VS China: Civil Unmanned Surface Vessel Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Civil Unmanned Surface Vessel Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Civil Unmanned Surface Vessel Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Civil Unmanned Surface Vessel Production Market Share 2025

Figure 30. China Based Manufacturers Civil Unmanned Surface Vessel Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Civil Unmanned Surface Vessel Production Market Share 2025

Figure 32. World Civil Unmanned Surface Vessel Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Civil Unmanned Surface Vessel Production Value Market Share by Type in 2025

Figure 34. Small Portable (Weight: 20–80 kg; Payload: 5–30 kg)

Figure 35. Small-to-Medium (Weight: 80–300 kg; Payload: 20–100 kg)

Figure 36. Medium (Weight: 300–2,000 kg; Payload: 100–500 kg)

Figure 37. Large (Weight: 2–20 t; Payload: 300–2,000 kg)

Figure 38. World Civil Unmanned Surface Vessel Production Market Share by Type (2021-2032)

Figure 39. World Civil Unmanned Surface Vessel Production Value Market Share by Type (2021-2032)

Figure 40. World Civil Unmanned Surface Vessel Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. World Civil Unmanned Surface Vessel Production Value by Control Method, (USD Million), 2021 & 2025 & 2032

Figure 42. World Civil Unmanned Surface Vessel Production Value Market Share by Control Method in 2025

Figure 43. Pure Remote Control

Figure 44. Remote Control + Semi-Autonomous

Figure 45. Remote Control + Fully Autonomous Mission-Based

Figure 46. Swarm Collaboration

Figure 47. World Civil Unmanned Surface Vessel Production Market Share by Control Method (2021-2032)

Figure 48. World Civil Unmanned Surface Vessel Production Value Market Share by

Control Method (2021-2032)

Figure 49. World Civil Unmanned Surface Vessel Average Price by Control Method (2021-2032) & (US\$/Unit)

Figure 50. World Civil Unmanned Surface Vessel Production Value by Propulsion Method, (USD Million), 2021 & 2025 & 2032

Figure 51. World Civil Unmanned Surface Vessel Production Value Market Share by Propulsion Method in 2025

Figure 52. Pure Electric

Figure 53. Fuel-Powered

Figure 54. Hybrid

Figure 55. Solar/Wind/Wave-Assisted

Figure 56. World Civil Unmanned Surface Vessel Production Market Share by Propulsion Method (2021-2032)

Figure 57. World Civil Unmanned Surface Vessel Production Value Market Share by Propulsion Method (2021-2032)

Figure 58. World Civil Unmanned Surface Vessel Average Price by Propulsion Method (2021-2032) & (US\$/Unit)

Figure 59. World Civil Unmanned Surface Vessel Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 60. World Civil Unmanned Surface Vessel Production Value Market Share by Application in 2025

Figure 61. Hydrographic Surveying

Figure 62. Environmental Monitoring

Figure 63. Marine Scientific Research

Figure 64. Others

Figure 65. World Civil Unmanned Surface Vessel Production Market Share by Application (2021-2032)

Figure 66. World Civil Unmanned Surface Vessel Production Value Market Share by Application (2021-2032)

Figure 67. World Civil Unmanned Surface Vessel Average Price by Application (2021-2032) & (US\$/Unit)

Figure 68. Civil Unmanned Surface Vessel Industry Chain

Figure 69. Civil Unmanned Surface Vessel Procurement Model

Figure 70. Civil Unmanned Surface Vessel Sales Model

Figure 71. Civil Unmanned Surface Vessel Sales Channels, Direct Sales, and Distribution

Figure 72. Methodology

Figure 73. Research Process and Data Source

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