

Electric Boat and Ship Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global electric boat and ship market size reached US\$ 5.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 11.6 Billion by 2028, exhibiting a growth rate (CAGR) of 10.5% during 2023-2028.

Electric boats and ships refer to small-sized ferries and passenger ships that sail using electricity. They utilize marine-grade lead-acid, nickel and lithium-iron-phosphate batteries and rugged and reliable electric propulsion motors for enhanced operational efficiency. The ships and boats are commonly available in diesel-electric, hybrid and fully electric drive variants. The diesel-electric ships consist of diesel generators to produce electricity, hybrid drive ships consist of onboard batteries that operate with an internal combustion engine and the fully electric drive ships consist only of batteries as the primary source of power. In comparison to the traditionally used marine vessels, electric boats and ships operate silently, are more cost-effective, have minimal fuel requirements and are highly environment friendly.

Electric Boat and Ship Market Trends:

The increasing demand for efficient marine transportation systems across the globe is one of the key factors driving the growth of the market. Moreover, the rising environmental consciousness among the masses is providing a thrust to the market growth. Electric boats and ships are produced with specialized hull and body specifications, along with light and durable materials, to generate minimal drag and optimal propulsion. Additionally, various technological advancements, such as the integration of dashboard monitoring, remote monitoring and warning systems, are acting as other growth-inducing factors. These systems provide an accurate overview of the overall performance of the vessel, including battery temperature, voltage and state of

charge (SoC), and facilitate immediate shutdown and troubleshooting in case of a threat. Other factors, including significant growth in the tourism industry and increasing seaborne trade, along with the implementation of favorable government policies promoting the utilization of sustainable energy systems, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global electric boat and ship market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on propulsion type, battery type and carriage type.

Breakup by Propulsion Type:

- Hybrid
- Pure Electric

Breakup by Battery Type:

- Lead-acid
- Lithium-ion
- Nickel-based Batteries

Breakup by Carriage Type:

- Passenger
- Cargo

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
- Australia

Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ABB Ltd., Corvus Energy Ltd., Domani Yachts, Duffy Electric Boat Company, ElectraCraft Boats, General Dynamics Corporation, Hyundai Heavy Industries Co. Ltd., Kongsberg Gruppen ASA, Siemens AG, Vard Group AS (Fincantieri S.p.A.), Vision Marine Technologies Inc. and Yamaha Motor Co. Ltd.

Key Questions Answered in This Report

1. What was the size of the global electric boat and ship market in 2022?
2. What is the expected growth rate of the global electric boat and ship market during 2023-2028?
3. What are the key factors driving the global electric boat and ship market?
4. What has been the impact of COVID-19 on the global electric boat and ship market?
5. What is the breakup of the global electric boat and ship market based on the propulsion type?
6. What is the breakup of the global electric boat and ship market based on the battery type?
7. What is the breakup of the global electric boat and ship market based on the carriage type?
8. What are the key regions in the global electric boat and ship market?
9. Who are the key players/companies in the global electric boat and ship market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ELECTRIC BOAT AND SHIP MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PROPULSION TYPE

- 6.1 Hybrid
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Pure Electric
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY BATTERY TYPE

7.1 Lead-acid

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Lithium-ion

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Nickel-based Batteries

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY CARRIAGE TYPE

8.1 Passenger

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Cargo

8.2.1 Market Trends

8.2.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

- 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 ABB Ltd.

14.3.1.1 Company Overview

- 14.3.1.2 Product Portfolio
- 14.3.2 Corvus Energy Ltd.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
- 14.3.3 Domani Yachts
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
- 14.3.4 Duffy Electric Boat Company
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
- 14.3.5 ElectraCraft Boats
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 General Dynamics Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 Hyundai Heavy Industries Co. Ltd.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
- 14.3.8 Kongsberg Gruppen ASA
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 Financials
- 14.3.9 Siemens AG
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Vard Group AS (Fincantieri S.p.A.)
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
- 14.3.11 Vision Marine Technologies Inc.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.12 Yamaha Motor Co. Ltd.

14.3.12.1 Company Overview

14.3.12.2 Product Portfolio

14.3.12.3 Financials

14.3.12.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Electric Boat and Ship Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Electric Boat and Ship Market Forecast: Breakup by Propulsion Type (in Million US\$), 2023-2028

Table 3: Global: Electric Boat and Ship Market Forecast: Breakup by Battery Type (in Million US\$), 2023-2028

Table 4: Global: Electric Boat and Ship Market Forecast: Breakup by Carriage Type (in Million US\$), 2023-2028

Table 5: Global: Electric Boat and Ship Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Electric Boat and Ship Market: Competitive Structure

Table 7: Global: Electric Boat and Ship Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Electric Boat and Ship Market: Major Drivers and Challenges
- Figure 2: Global: Electric Boat and Ship Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Electric Boat and Ship Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 4: Global: Electric Boat and Ship Market: Breakup by Propulsion Type (in %), 2022
- Figure 5: Global: Electric Boat and Ship Market: Breakup by Battery Type (in %), 2022
- Figure 6: Global: Electric Boat and Ship Market: Breakup by Carriage Type (in %), 2022
- Figure 7: Global: Electric Boat and Ship Market: Breakup by Region (in %), 2022
- Figure 8: Global: Electric Boat and Ship (Hybrid) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 9: Global: Electric Boat and Ship (Hybrid) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 10: Global: Electric Boat and Ship (Pure Electric) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Electric Boat and Ship (Pure Electric) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Electric Boat and Ship (Lead-acid) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Electric Boat and Ship (Lead-acid) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Electric Boat and Ship (Lithium-ion) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Electric Boat and Ship (Lithium-ion) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Electric Boat and Ship (Nickel-based Batteries) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Electric Boat and Ship (Nickel-based Batteries) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Electric Boat and Ship (Passenger) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Electric Boat and Ship (Passenger) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Electric Boat and Ship (Cargo) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Electric Boat and Ship (Cargo) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: North America: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: North America: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: United States: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: United States: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Canada: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Canada: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Asia-Pacific: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Asia-Pacific: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: China: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: China: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Japan: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Japan: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: India: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: India: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: South Korea: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: South Korea: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Australia: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Australia: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Indonesia: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017

& 2022

Figure 41: Indonesia: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Others: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Others: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Europe: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Europe: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Germany: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Germany: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: France: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: France: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: United Kingdom: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: United Kingdom: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: Italy: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: Italy: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Spain: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Spain: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Russia: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Russia: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Others: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Others: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Latin America: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Latin America: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Brazil: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Brazil: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Mexico: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Mexico: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Middle East and Africa: Electric Boat and Ship Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Middle East and Africa: Electric Boat and Ship Market: Breakup by Country (in %), 2022

Figure 70: Middle East and Africa: Electric Boat and Ship Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Global: Electric Boat and Ship Industry: SWOT Analysis

Figure 72: Global: Electric Boat and Ship Industry: Value Chain Analysis

Figure 73: Global: Electric Boat and Ship Industry: Porter's Five Forces Analysis

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