

Marine Composites Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global marine composites market size reached US\$ 4.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 6.0 Billion by 2028, exhibiting a growth rate (CAGR) of 3.9% during 2023-2028.

Marine composites refer to a mixture of fibers and resin materials that are used to shape and reinforce marine components. Ferrocement, glass-reinforced plastic, wood fibers, carbon composites and aramid fiber are some of the most commonly used marine components. They are usually manufactured using polyester, vinyl ester, epoxy, thermoplastic, acrylic and phenolic resins. They are also used for manufacturing gratings, ducts, shafts, piping and hull shells. These composite-based parts are used for assembling powerboats, sailboats and cruise ships as they offer advantageous properties, such as high mechanical strength, fuel efficiency, reduction in the overall weight, corrosion resistance, and customizability.

One of the key factors creating a positive outlook for the market is the significant growth in the maritime industry across the globe. Furthermore, the growing demand for high speed, power and luxury boats and yachts is also providing a boost to the market growth. Marine composites are extensively used for manufacturing recreational boats that have a high strength-to-weight ratio, fuel-efficiency, improved noise damping features and lower magnetic signature. In line with this, increasing marine transportation activities and cargo movement across borders is contributing to the market growth. Composites, such as fiber-reinforced composites, are being increasingly used as they can withstand extreme pressures from winds, waves and tides and maintain their physical properties when submerged in saltwater. Additionally, various product innovations, such as the development of marine composites using renewable materials

and vacuum infusion, are acting as another growth-inducing factor. These composites provide additional stiffness, vibration damping, water repellency and impact and abrasion resistance.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global marine composites market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on composite type, fiber type, resin type and vessel type.

Breakup by Composite Type:

- Metal Matrix Composite (MMC)
- Ceramic Matrix Composite (CMC)
- Polymer Matrix Composite (PMC)

Breakup by Fiber Type:

- Glass Fiber
- Carbon Fiber
- Aramid Fiber
- Natural Fiber
- Others

Breakup by Resin Type:

- Polyester
- Vinyl Ester
- Epoxy
- Thermoplastic
- Phenolic
- Acrylic
- Others

Breakup by Vessel Type:

- Power Boats
- Sailboats
- Cruise Ships

Others

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 report has also analysed the competitive landscape of the market with some of the key players being 3A Composites GmbH (Schweiter Technologies), E. I. Du Pont De Nemours and Company, GMS Composites, Gurit AG, Hexcel Corporation, Hyosung Marine Co. Ltd., Owens Corning, Solvay SA, SGL Carbon SE, Teijin Limited, Zoltek Corporation (Toray Industries), etc.

Key Questions Answered in This Report:

How has the global marine composites market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global marine composites market?

What is the breakup of the market based on the composite type?

What is the breakup of the market based on the fiber type?

What is the breakup of the market based on the resin type?

What is the breakup of the market based on the vessel type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global marine composites market and who are the key players?

What is the degree of competition in the industry?

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 MARINE COMPOSITES MARKET

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

6 MARKET BREAKUP BY COMPOSITE TYPE

- 6.1 Metal Matrix Composite (MMC)
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Ceramic Matrix Composite (CMC)
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Polymer Matrix Composite (PMC)

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY FIBER TYPE

7.1 Glass Fiber

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Carbon Fiber

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Aramid Fiber

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Natural Fiber

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY RESIN TYPE

8.1 Polyester

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Vinyl Ester

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Epoxy

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Thermoplastic

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Phenolic

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Acrylic

- 8.6.1 Market Trends
- 8.6.2 Market Forecast
- 8.7 Others
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast

9 MARKET BREAKUP BY VESSEL TYPE

- 9.1 Power Boats
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Sailboats
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Cruise Ships
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Others
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast

10 MARKET BREAKUP BY REGION

- 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
- 10.2 Asia Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends

- 10.2.3.2 Market Forecast
- 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
- 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
- 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
- 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast

10.4.2 Mexico

10.4.2.1 Market Trends

10.4.2.2 Market Forecast

10.4.3 Others

10.4.3.1 Market Trends

10.4.3.2 Market Forecast

10.5 Middle East and Africa

10.5.1 Market Trends

10.5.2 Market Breakup by Country

10.5.3 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE INDICATORS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 3A Composites GmbH (Schweiter Technologies)

15.3.1.1 Company Overview

- 15.3.1.2 Product Portfolio
- 15.3.1.3 Financials
- 15.3.2 E. I. Du Pont De Nemours and Company
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
- 15.3.3 GMS Composites
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
- 15.3.4 Gurit AG
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
- 15.3.5 Hexcel Corporation
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
- 15.3.6 Hyosung Marine Co. Ltd.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
- 15.3.7 Owens Corning
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
 - 15.3.7.3 Financials
 - 15.3.7.4 SWOT Analysis
- 15.3.8 Solvay SA
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
- 15.3.9 SGL Carbon SE
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
 - 15.3.9.4 SWOT Analysis
- 15.3.10 Teijin Limited
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials

- 15.3.10.4 SWOT Analysis
- 15.3.11 Zoltek Corporation (Toray Industries)
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
 - 15.3.11.3 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Marine Composites Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Marine Composites Market Forecast: Breakup by Composite Type (in Million US\$), 2023-2028

Table 3: Global: Marine Composites Market Forecast: Breakup by Fiber Type (in Million US\$), 2023-2028

Table 4: Global: Marine Composites Market Forecast: Breakup by Resin Type (in Million US\$), 2023-2028

Table 5: Global: Marine Composites Market Forecast: Breakup by Vessel Type (in Million US\$), 2023-2028

Table 6: Global: Marine Composites Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 7: Global: Marine Composites Market Structure

Table 8: Global: Marine Composites Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Marine Composites Market: Major Drivers and Challenges

Figure 2: Global: Marine Composites Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Marine Composites Market: Breakup by Composite Type (in %), 2022

Figure 4: Global: Marine Composites Market: Breakup by Fiber Type (in %), 2022

Figure 5: Global: Marine Composites Market: Breakup by Resin Type (in %), 2022

Figure 6: Global: Marine Composites Market: Breakup by Vessel Type (in %), 2022

Figure 7: Global: Marine Composites Market: Breakup by Region (in %), 2022

Figure 8: Global: Marine Composites Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 9: Global: Marine Composites (Metal Matrix Composite - MMC) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Marine Composites (Metal Matrix Composite - MMC) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Marine Composites (Ceramic Matrix Composite - CMC) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Marine Composites (Ceramic Matrix Composite - CMC) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Marine Composites (Polymer Matrix Composite - PMC) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Marine Composites (Polymer Matrix Composite - PMC) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Marine Composites (Glass Fiber) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Marine Composites (Glass Fiber) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Marine Composites (Carbon Fiber) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Marine Composites (Carbon Fiber) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Marine Composites (Aramid Fiber) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Marine Composites (Aramid Fiber) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Marine Composites (Natural Fiber) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Marine Composites (Natural Fiber) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Marine Composites (Other Fiber Types) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Marine Composites (Other Fiber Types) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Marine Composites (Polyester) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Marine Composites (Polyester) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Marine Composites (Vinyl Ester) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Marine Composites (Vinyl Ester) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Marine Composites (Epoxy) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Marine Composites (Epoxy) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Marine Composites (Thermoplastic) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Marine Composites (Thermoplastic) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Marine Composites (Phenolic) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Marine Composites (Phenolic) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Marine Composites (Acrylic) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Marine Composites (Acrylic) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Marine Composites (Other Resin Types) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Marine Composites (Other Resin Types) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Global: Marine Composites (Power Boats) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Global: Marine Composites (Power Boats) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Global: Marine Composites (Sailboats) Market: Sales Value (in Million US\$),

2017 & 2022

Figure 42: Global: Marine Composites (Sailboats) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Global: Marine Composites (Cruise Ships) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Global: Marine Composites (Cruise Ships) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Global: Marine Composites (Other Vessel Types) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Global: Marine Composites (Other Vessel Types) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: North America: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: North America: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: United States: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: United States: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Canada: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Canada: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Asia Pacific: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Asia Pacific: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: China: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: China: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Japan: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Japan: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: India: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: India: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: South Korea: Marine Composites Market: Sales Value (in Million US\$), 2017

& 2022

Figure 62: South Korea: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Australia: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Australia: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Indonesia: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Indonesia: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Europe: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Europe: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Germany: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Germany: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: France: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: France: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: United Kingdom: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: United Kingdom: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Italy: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Italy: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Spain: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Spain: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 81: Russia: Marine Composites Market: Sales Value (in Million US\$), 2017 &

2022

Figure 82: Russia: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 83: Others: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 84: Others: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 85: Latin America: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 86: Latin America: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 87: Brazil: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 88: Brazil: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 89: Mexico: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 90: Mexico: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 91: Others: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 92: Others: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 93: Middle East and Africa: Marine Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 94: Middle East and Africa: Marine Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 95: Global: Marine Composites Industry: SWOT Analysis

Figure 96: Global: Marine Composites Industry: Value Chain Analysis

Figure 97: Global: Marine Composites Industry: Porter's Five Forces Analysis

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