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Global Vessel Energy Saving Devices 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 Vessel Energy Saving Devices 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.

Vessel Energy Saving Devices (VESDs) refer to various technologies and innovations designed to improve the energy efficiency of ships. These devices aim to reduce fuel consumption and greenhouse gas emissions, thereby lowering operational costs and minimizing the environmental impact of maritime activities. Examples of VESDs include hull modifications, such as bulbous bows and air lubrication systems, propulsion enhancements like energy-saving propellers and rudder bulbs, and onboard systems like waste heat recovery units and advanced automation for optimized engine performance. Implementing these devices can significantly enhance the sustainability and economic viability of maritime operations.

The Vessel Energy Saving Devices (VESD) market is witnessing significant growth driven by the maritime industry's increasing emphasis on sustainability and fuel efficiency. Major sales regions include North America, Europe, and Asia-Pacific, with the latter leading due to the region's expansive shipping activities and stringent environmental regulations. Market opportunities abound in the development and adoption of innovative technologies such as air lubrication systems, energy-saving propeller attachments, and advanced hull coatings. However, challenges persist,

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including the high initial costs of implementation, technological integration with existing vessels, and regulatory compliance. Despite these hurdles, the push for greener maritime operations is expected to fuel market expansion in the coming years.

This report is a detailed and comprehensive analysis for global Vessel Energy Saving Devices 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 Vessel Energy Saving Devices market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Vessel Energy Saving Devices market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Vessel Energy Saving Devices market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Vessel Energy Saving Devices market shares of main players, shipments in revenue ($ Million), sales quantity (K 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 Vessel Energy Saving Devices

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

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This report profiles key players in the global Vessel Energy Saving Devices 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 Mitsui OSK, Becker Marine Systems, W?rtsil?, Kawasaki, Eco Marine Power, ERMA FIRST, Damen Marine, IHI Marine United Inc, CSSRC, etc.

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

Market Segmentation

Vessel Energy Saving Devices 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

Propeller Boss Cap Fins (PBCF)

Pre-Swirl Stators

Ducts and Nozzles

Others

Market segment by Application

Tanker Vessels

Container Vessels

Bulk Vessels

Major players covered

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Mitsui OSK

Becker Marine Systems

W?rtsil?

Kawasaki

Eco Marine Power

ERMA FIRST

Damen Marine

IHI Marine United Inc

CSSRC

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 Vessel Energy Saving Devices product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Vessel Energy Saving Devices, with price, sales quantity, revenue, and global market share of Vessel Energy Saving Devices from 2020 to 2025.

Chapter 3, the Vessel Energy Saving Devices competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vessel Energy Saving Devices 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 Vessel Energy Saving Devices 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 Vessel Energy Saving Devices.

Chapter 14 and 15, to describe Vessel Energy Saving Devices sales channel, distributors, customers, research findings and conclusion.

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4 CONSUMPTION ANALYSIS BY REGION

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