

Marine Dynamic Positioning System Market by Subsystem (Control Systems, Power System, Thruster System), Equipment (Class 1, Class2, and Class 3), Application (Naval Vessel, Offshore Vessel) - Global Opportunity Analysis & Industry Forecast, 2014 - 2022

<https://marketpublishers.com/r/M5FAD482EB4EN.html>

Date: February 2017

Pages: 150

Price: US\$ 3,999.00 (Single User License)

ID: M5FAD482EB4EN

Abstracts

Vessel positioning system facilitates accuracy in positioning and enables mooring & anchoring. The market for marine dynamic positioning system was valued at \$1,594 million in 2015, and is expected to reach \$2,127 million in 2022, growing at a CAGR of 3.8%

Dynamic positioning system (DPS) is a computer-controlled system installed in ships to maintain its position in the water body. The system utilizes thrusters, propellers, and rudders to withstand external forces such as wind, waves, and water current. It ensures the safety and security of vessels by maintaining the positioning accuracy and improves stability. Redundancy is the ability of a system to retain its functions in case of single failure or fault, which is a crucial factor considered while choosing the appropriate DPS for ships. The equipment class of a DPS is defined based on its redundancy. According to the standards of International Maritime Organization (IMO), the dynamically positioned ships are:

CLASS 1: No Redundancy

CLASS 2: Has redundancy so that single fault in an active system would lead to the failure of the overall system to fail

CLASS 3: Has redundancy with the ability to withstand fire or flood in any one compartment without system failure

Furthermore, the marine dynamic positioning system helps in automatically maintaining the position of vessels using subcomponents such as thrusters, control unit, and power management system. The dynamic positioning system market is segmented based on subsystem, equipment class, application, and geography. By subsystem, the dynamic

positioning system market is categorized into control systems, power systems, thruster systems, and others. The equipment class includes class1, class 2, and class 3 systems. Applications covered in the study include naval vessels, offshore vessels, and others.

Geographically, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA (including country-level analysis for each region).

The key players operating in the marine dynamic positioning system market are ABB, General Electric Co., Kongsberg Gruppen, Marine Technologies LLC, Moxa Inc, Navis Engineering Oy, AB Volvo Penta, Praxis Automation Technology B.V., Rolls Royce, and Wartsila Corporation. Other players in the value chain include Thrustmaster of Texas, Inc., JRC, Guidance Marine, and Master Boat Builders Inc.

KEY BENEFITS

The report provides an in-depth analysis of the marine dynamic positioning system market across major geographies and the estimated revenues generated during the forecast period.

The entire projections in the report are based on analysis of the current trends that highlight the market potential for the period of 2016–2022, in terms of value.

The report conducts extensive analysis by closely following key product positioning and monitoring the top contenders within the market framework.

The report also provides quantitative and qualitative trends to help the stakeholders to understand the situations prevailing in the market.

MARINE DYNAMIC POSITIONING SYSTEM SEGMENTATION BY SUBSYSTEM

Control System

Power System

Thruster System

Others (Sensing Systems and Measurement Systems)

BY EQUIPMENT CLASS

Class 1

Class 2

Class 3

BY APPLICATION

Naval Vessels

Offshore Vessels

Others (Commercial and Passenger)

BY GEOGRAPHY

NORTH AMERICA

Canada

Mexico

U.S.

EUROPE

Germany

Netherlands

UK

Rest of Europe

ASIA-PACIFIC

China

Japan

India

South Korea

Rest of Asia-Pacific

LAMEA

Africa

Latin America

Middle East

KEY COMPANIES

ABB

AB Volvo Penta

General Electric Co.

Kongsberg Gruppen ASA

Marine Technologies LLC

Moxa Inc.

Navis Engineering Oy

Praxis Automation

Rolls-Royce PLC

Wartsila Corporation

Other Companies in Value Chain

Guidance Marine

JRC

Master Boat Builders Inc.

RH Marine

Thrustmaster of Texas, Inc.

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