

# Global Dynamic Positioning System Market Size Study & Forecast, by Subsystem, Equipment Class and Application and Regional Forecasts 2025-2035

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## Abstracts

The Global Dynamic Positioning System Market is valued at approximately USD 2.06 billion in 2024 and is expected to witness a robust compound annual growth rate (CAGR) of 5.49% over the forecast period 2025–2035. A Dynamic Positioning (DP) System is a computer-controlled system designed to automatically maintain a vessel's position and heading by using its own propellers and thrusters. This is especially critical in deep water, high-risk, and operationally sensitive scenarios such as offshore drilling, subsea construction, and naval operations. The growing demand for precision navigation, particularly for offshore vessels operating in harsh marine environments, is driving the steady expansion of the DP system market. Furthermore, the increasing sophistication of offshore oil & gas exploration, paired with stringent maritime safety regulations, has compelled vessel operators to adopt advanced dynamic positioning solutions.

Technological advancement across control algorithms, GPS-based navigation, and integrated sensor systems has fueled the adoption of next-generation DP systems capable of delivering enhanced responsiveness and redundancy. The market is being increasingly shaped by the uptick in offshore renewable energy projects, including offshore wind installations that require stable positioning during construction and maintenance. Moreover, the surge in naval procurement and modernization initiatives globally has augmented the deployment of DP systems in combat and support vessels. Class 2 and Class 3 dynamic positioning systems, offering higher redundancy and fail-safe configurations, are gaining notable traction across mission-critical maritime applications. However, the high capital expenditure involved in installation and integration, along with the operational complexity, continues to pose a constraint on broader adoption—particularly in developing markets.

Regionally, North America commands a dominant share of the global dynamic positioning system market, led by the United States' extensive offshore oil and gas operations and active naval fleet modernization programs. The region's strong industrial base and technological leadership in marine electronics further bolster market penetration. On the other hand, the Asia Pacific region is anticipated to grow at the fastest pace over the forecast period. Nations such as China, India, and South Korea are witnessing rising investments in offshore infrastructure and fleet expansion, fueling demand for dynamic positioning solutions. In Europe, the increasing focus on offshore renewable energy projects, especially in the North Sea, is significantly driving adoption. Additionally, maritime nations like Norway and the UK are investing in next-gen DP systems to support energy transition goals and improve maritime safety compliance.

Major market player included in this report are:

Rolls-Royce Holdings plc

Kongsberg Gruppen

General Electric Company

Wartsila Corporation

ABB Ltd

L3Harris Technologies Inc.

Navis Engineering

Marine Technologies LLC

Mitsubishi Heavy Industries Ltd.

Thrustmaster of Texas Inc.

Praxis Automation Technology BV

RH Marine

NORR Systems Pte Ltd

Tokyo Keiki Inc.

Alphatron Marine

## Global Dynamic Positioning System Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Subsystem:

Control System

Thruster System

Power System

Others

By Equipment Class:

Class 1

Class 2

Class 3

By Application:

Merchant Vessels

Passenger Vessels

Naval Vessels

Offshore Vessels

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

#### Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

#### Latin America

Brazil

Mexico

#### Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

#### Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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