

Dynamic Positioning System Market by Equipment Class (Class 1, Class 2, Class 3), System (Position Reference & Tracking, Thruster & Propulsion, Power Management, DP Control, Motion & Environment Sensor), Fit, Ship Type & Region - Global Forecast to 2030

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Report description:

The dynamic positioning system market is projected to grow from an estimated USD 6.36 billion in 2025 to USD 8.65 billion by 2030, achieving a CAGR of 6.3%. Several key factors drive this growth. The increase in offshore oil & gas exploration and production has heightened the demand for vessels capable of maintaining stability in deep and challenging waters. Additionally, the rise of offshore wind energy and renewable marine infrastructure requires reliable DP systems to install and maintain turbines and other equipment at sea. The growing adoption of autonomous and smart marine technologies is further prompting more ships to integrate advanced DP systems, which enhance control, safety, and operational efficiency.

"The thruster & propulsion systems segment is expected to hold the largest share during the forecast period."

Thruster and propulsion systems are vital for vessel positioning and movement control, especially in challenging conditions. Proper sizing and positioning are crucial for effective station-keeping, particularly in advanced DP systems like DP2 and DP3, which require operational thrusters even if one fails. Backup features are essential to switch to a safe mode during a thruster or system failure. Auxiliary systems, such as lubrication, cooling, and power supply, support thruster operation, while pitch and RPM controls, along with feedback systems, ensure precise responsiveness. Safety features, including emergency stops, alarms, and real-time monitoring, help maintain vessel security, highlighting the importance of thrusters in the dynamic positioning system market.

"Linefit is expected to be the fastest-growing segment during the forecast period."

The linefit segment of the dynamic positioning system market is the fastest growing, focusing on integrating thrusters, power management, and DP control systems directly into vessels during their construction phase. This cost-effective approach improves

system integration and speeds up installation, making it efficient for new-build ships. By ensuring that dynamic positioning technology is seamlessly incorporated from the start, linefit helps meet the advanced needs of modern maritime operations, reducing installation costs and ensuring vessels are ready for high-performance use.

"Europe is expected to be the leading market for dynamic positioning systems during the forecast period."

Europe is the largest dynamic positioning system market globally, mainly due to its strong offshore energy industry, especially in the North Sea. Countries like France, Norway, the UK, the Netherlands, and Denmark are leaders in offshore oil, gas, and renewable wind energy, which is increasing the demand for advanced station-keeping systems. European maritime companies prioritize safety, environmental rules, and new technologies, further driving DP system manufacturers to design systems with improved backup, automation, and energy efficiency. The growth of offshore wind farms, especially large floating wind projects, is broadening the use of DP systems beyond oil & gas. Moreover, with government backing for sustainable practices and autonomous ships, the market for advanced DP systems in Europe is set to grow steadily through 2030. Breakdown of Primaries

The study contains insights from various industry experts, ranging from component suppliers to tier-1 companies and OEMs. The break-up of the primaries is as follows:

-[]By Company Type: Tier 1 - 49%, Tier 2 -37%, and Tier 3 -14%

- By Designation: C Level - 55%, Director Level - 27%, and Others - 18%

- By Region: North America - 32%, Europe - 32%, Asia Pacific - 16%, Middle East - 10%, Latin America - 7%, Africa-3% Kongsberg Maritime (Norway), Wartsila (Finland), GE Vernova (US), ABB (Switzerland), and Brunvoll AS (Norway) are among the leading players operating in the dynamic positioning system market.

Research Coverage

The study covers the dynamic positioning system market across various segments and subsegments. It aims to estimate this market's size and growth potential across different segments based on equipment class, system, fit, ship type, and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their solutions and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

Key Benefits of Buying this Report:

This report provides valuable information for both market leaders and new entrants in the dynamic positioning system market, offering estimates of overall revenue and insights into its subsegments. It encompasses the entire market ecosystem, helping stakeholders better understand the competitive landscape. This understanding will enable them to position their businesses effectively and develop appropriate go-to-market strategies. Additionally, the report will offer insights into the market's current trends and highlight key drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

-[]Analysis of key drivers, such as the rise of offshore oil & gas exploration and production activities, the expansion of offshore wind energy and renewable marine infrastructure, and the rapid adoption of autonomous and smart marine technologies in the dynamic positioning system market

Product Development: In-depth analysis of product innovation/development by companies across various regions
Market Development: Comprehensive information about lucrative markets

- Market Diversification: Exhaustive information about new solutions, untapped geographies, recent developments, and investments in the dynamic positioning system market

-[Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading market players

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