

Marine Dynamic Positioning System Market to Reach \$17.6 Billion by 2030 at 12.54% CAGR

WILMINGTON, NEW CASTLE, DE, UNITED STATES, December 5, 2025 /EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Marine Dynamic Positioning System Market](#)," The marine dynamic positioning system market was valued at \$5.6 billion in 2020, and is estimated to reach \$17.6 billion by 2030, growing at a CAGR of 12.54% from 2021 to 2030.



Asia-Pacific is expected to dominate the global marine dynamic positioning system market size owing to increase in seaborne trade in the region. Moreover, in countries such as India, the government is taking initiatives to promote maritime tourism, which in turn is expected to create demand for new ships to be equipped with latest technology. Thus, increasing the demand for dynamic positioning system. Advancements in offshore drilling technology, and greater deployment of offshore patrol vessels also contribute to the market growth in the region.

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Introduction of laser-based dynamic positioning systems, increase in development of autonomous ships, and technological advancements are factors expected to create new growth opportunities for marine dynamic positioning system market during the forecast period. However, factors such as complexity associated with the system and high maintenance costs are expected to hamper the market growth.

On the basis of subsystem, the marine dynamic positioning system industry is segmented into control system, power system, and thruster system. In 2020, the thruster system accounted for a major share. The thruster system is a vital component of a dynamic positioning system, and is responsible for maintaining the heading and position of the vessels by acting against the

changes occurring underneath the water surface. These systems function by the means of thrust force and thrust direction.

On the basis of equipment class, the marine dynamic positioning system market is segregated into class 1, class 2, and class 3. Class 2 dynamic positioning system are utilized in several types of vessels, such as commercial vessels, including container ships, ferries, cruise, and cargo ships. The class 2 dynamic positioning system has redundancy, so that no single fault in active system can cause dynamic positioning system to fail.

The application segment has been divided into naval vessels, offshore vessels, and others. The naval vessels are used in applications such as mine countermeasures, amphibious landing, submarine rescue, and pollution control. Installation of dynamic positioning system on these aid the vessel to gain accuracy, thereby enhancing security. Various advanced nations such as the U.S., China, and Japan use dynamically positioned vessels within their naval, coast guard, and auxiliary fleets.

On the basis of sales channel, the market is classified into original equipment manufacturer and retrofit. By region, the report is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

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COVID-19 Impact Analysis :

The COVID-19 crisis created uncertainty in the market, massive slowing of supply chain, falling business confidence, and increase in panic among the customer segments. Governments of different regions announced total lockdown and temporarily shutdown of industries, thereby adversely affecting the overall production and sales.

The impact of the COVID-19 pandemic resulted in temporarily shut down of shipyards, which in turn, resulted in decreased demand for marine dynamic positioning system. Reduced trade activities and ship production during the pandemic also hampered the market growth. Higher fuel prices and poor market conditions during the pandemic resulted in scrapping of older ships by ship owners to avoid losses. For instance, in 2020, Irving Shipbuilding temporarily shut down the Halifax shipyard for three weeks leading to delay in delivery of ships underway at the shipyard. Reduced offshore activities, and decreased defense budget also led to limited sale of marine dynamic positioning system during the pandemic.

Key Findings Of The Study :

By subsystem, the control system segment is anticipated to exhibit significant growth in the near future.

By equipment class, the class 3 segment is expected to register a significant growth during the forecast period.

By application, the naval vessel segment is expected to register a significant growth during the forecast period.

By sales channel, the original equipment manufacturer segment is anticipated to exhibit significant growth in the near future.

By region, Asia-Pacific is anticipated to register the highest CAGR during the forecast period.

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Key players operating in the global marine dynamic positioning system market include ABB Ltd., AB Volvo, General Electric Company, Kongsberg Gruppen ASA, L3Harris Technologies, Inc., Marine Technologies, LLC, Navis Engineering Oy, Praxis Automation Technology B.V., Reygar Ltd., and Wartsila Corporation.

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