Marine Shaft Power Meter Market to Reach USD 818 Mn by 2035 Driven by Tech Innovations & Demand for Maritime Efficiency

Global marine shaft power meter market to grow at 3.6% CAGR, driven by fuel efficiency, compliance needs, and advanced maritime tech.

Marine Shaft Power Meter Market

ROCKVILLE, MD , MD, UNITED STATES, August 11, 2025 /EINPresswire.com/ -- The global marine shaft power meter market is on a steady growth trajectory, projected to expand from USD 574.1 million in 2025 to USD 818 million by 2035, registering a CAGR of 3.6% during the forecast period. According to market insights, increasing emphasis on fuel efficiency, vessel performance optimization, and regulatory compliance is significantly fueling demand for advanced shaft power measurement solutions.

Rising Demand for Maritime Efficiency and Compliance Driving Growth

The marine industry is undergoing a technological transformation aimed at reducing operational costs while meeting stringent environmental regulations such as IMO 2020 and EEXI/CII compliance. Marine shaft power meters play a critical role by accurately monitoring and analyzing propulsion power in real time, enabling operators to optimize fuel consumption, enhance propulsion efficiency, and reduce emissions.

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The growing global shipping fleet, coupled with increasing adoption of digital monitoring solutions in maritime transport, has propelled the integration of advanced shaft power measurement systems. Demand is especially high in commercial vessels, offshore support vessels, and naval ships, where operational efficiency directly impacts profitability and sustainability.

Technological Innovations Strengthening Market Prospects:

Advancements in sensor technology, data analytics, and integration with onboard monitoring systems have revolutionized marine shaft power meters. Modern solutions now offer real-time torque measurement, predictive maintenance capabilities, and IoT-enabled remote monitoring.

These innovations are particularly relevant for ship operators striving to enhance voyage optimization and meet Environmental, Social, and Governance (ESG) targets. Moreover, growing investments in maritime digitalization, including the use of AI-driven analytics for predictive performance evaluation, are expected to create lucrative opportunities for manufacturers in the coming years.

Competitive Landscape – Key Players Driving Market Innovation:

The competitive landscape of the marine shaft power meter market is characterized by continuous product innovation, strategic collaborations, and expansion into emerging markets. Prominent players include:

Datum Electronics Limited – Known for its high-precision torque measurement systems, Datum continues to invest in next-generation sensor technology for enhanced operational accuracy.

Kongsberg Maritime – A global leader in maritime technology, Kongsberg is focusing on integrated vessel performance solutions that combine shaft power meters with advanced analytics platforms.

Shoyo Engineering Co., Ltd. – Specializing in marine engineering solutions, Shoyo is expanding its product offerings to cater to energy-efficient vessel operations.

Hoppe Marine GmbH – With a strong portfolio in marine measurement systems, Hoppe Marine emphasizes automation and performance monitoring technologies for the shipping industry.

These companies are actively engaging in mergers, partnerships, and R&D investments to cater to the evolving needs of the maritime industry. The focus is shifting towards customized solutions tailored for specific vessel types and operational environments.

Recent Developments in the Market

Datum Electronics introduced an upgraded Shaft Power Meter system in 2024, featuring enhanced data integration capabilities with vessel performance monitoring software.

Kongsberg Maritime announced a collaboration with a leading shipping company to deploy AI-enabled propulsion efficiency tools, including shaft power measurement systems, across its

fleet.

Hoppe Marine GmbH expanded its service network in Asia-Pacific to meet rising demand from regional shipyards and operators.

Shoyo Engineering is investing in research to develop lightweight, corrosion-resistant shaft power meters for offshore and naval vessels.

These advancements underscore the industry's commitment to delivering more accurate, durable, and digitally integrated measurement solutions.

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Regional Insights – Asia-Pacific Leading Growth

Asia-Pacific is emerging as the largest and fastest-growing market for marine shaft power meters, driven by the region’s expanding shipbuilding sector in countries such as China, Japan, and South Korea. The presence of major shipyards, coupled with increasing demand for fuel-efficient vessel operations, positions the region as a key revenue generator.

Europe remains a strong market, supported by stringent environmental regulations and the presence of major maritime technology providers. Meanwhile, North America is witnessing gradual adoption, driven by fleet modernization programs and offshore energy projects.

Future Outlook – Digital Integration and Regulatory Push to Shape Market

Looking ahead, the marine shaft power meter market is poised for sustained growth as vessel operators increasingly embrace digital performance monitoring solutions. The integration of shaft power meters with fleet management systems, AI-based predictive analytics, and cloud-based data storage is expected to redefine operational efficiency in the maritime industry.

With regulations pushing for reduced greenhouse gas emissions, and the shipping industry seeking operational cost savings, the role of advanced shaft power measurement systems will become even more pivotal.

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The global marine engine monitoring system market is analyzed to register a valuation of US$ 593.63 million in 2025 and is further forecasted to reach a size of US$ 861.97 million by 2035. As per the recent report published by Fact.MR, the demand is evaluated to increase at 3.8% CAGR between 2025 and 2035.

One might be interested in learning more about the advantages of marine switchboards if he or she is considering buying a new yacht or updating an old boat. These switchboards have grown significantly in popularity as a means of managing electrical distribution in recent years.

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Contact Us:
US Sales Office:
11140 Rockville Pike
Suite 400
Rockville, MD 20852
United States
Tel: +1 (628) 251-1583
Sales Team : sales@factmr.com

S. N. Jha
Fact.MR
+1 628-251-1583
email us here