

Degaussing Systems Market Forecasts to 2034 – Global Analysis By Product (Hardware and Software), By Vessel Type (Small Vessel, Medium Vessel and Large Vessel), End User, and By Geography

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Abstracts

According to Statistics MRC, the Global Degaussing Systems Market is accounted for \$1.06 billion in 2026 and is expected to reach \$1.65 billion by 2034 growing at a CAGR of 5.7% during the forecast period. Degaussing systems are maritime technologies designed to reduce or eliminate the magnetic signature of naval vessels and submarines. These systems neutralize the residual magnetism in a ship's structure, minimizing susceptibility to magnetic mines and enhancing operational stealth. Degaussing ensures safer navigation and enhances the survivability of vessels by reducing their vulnerability to magnetic-based detection and targeting systems.

According to Maritime Publications, around 80% of the global trade by volume and over 70% of the global trade by value are carried out by sea and are controlled by ports worldwide.

Market Dynamics:

Driver:

Increasing emphasis on naval vessel protection

The increasing emphasis on naval vessel protection acts as a driver in the degaussing systems market. As maritime threats evolve, naval fleets prioritize minimizing their magnetic signatures to counter the risks posed by magnetic mines and detection systems. Degaussing systems play a pivotal role in enhancing naval vessel survivability

by reducing susceptibility to magnetic-based threats. This heightened focus on maritime security, combined with stringent regulations, propels the demand for advanced degaussing technologies, driving innovation and adoption across naval modernization programs globally.

Restraint:

Costs associated with installing and integrating degaussing systems

The initial investment required for deploying these sophisticated systems on naval vessels is substantial, posing a financial challenge for defense budgets. The complexity of integration, calibration and ongoing maintenance further contributes to the financial burden. As a result, budget constraints within defense sectors may hinder widespread adoption, limiting the accessibility of advanced degaussing technology for naval fleets.

Opportunity:

Ongoing naval modernization initiatives worldwide

Ongoing naval modernization initiatives worldwide present a significant opportunity in the degaussing systems market. As naval forces upgrade their fleets, there is a heightened demand for advanced degaussing systems to enhance the survivability and operational effectiveness of vessels. The need to comply with stricter regulations and counter evolving maritime threats further drives the adoption of cutting-edge degaussing technologies. This creates a favorable environment for manufacturers and suppliers to capitalize on the growing market, offering innovative solutions aligned with modern naval requirements.

Threat:

Stringent regulations on electromagnetic emissions

Stringent regulations on electromagnetic emissions pose a threat to the degaussing systems market. These regulations are intended to enhance safety and environmental protection, but compliance can be challenging for degaussing systems. Meeting strict emission standards may necessitate advanced technologies, increasing development costs. In addition, manufacturers face the risk of non-compliance penalties and challenges in adapting existing systems.

Covid-19 Impact:

The COVID-19 pandemic significantly impacted the degaussing systems market, disrupting global supply chains and causing delays in naval projects. Lockdowns and restrictions hindered manufacturing and deployment activities, affecting the overall demand. Additionally, budget reallocations within defense sectors impacted procurement plans for degaussing systems. While the pandemic highlighted the importance of maritime security, it temporarily slowed market growth due to operational challenges and economic uncertainties affecting defense spending worldwide.

The medium vessel segment is expected to be the largest during the forecast period

The medium vessel segment is anticipated to be the largest in the forecast period in the degaussing systems market. This is attributed to the increasing focus on modernizing naval fleets with medium-sized vessels. These vessels exhibit a growing demand for advanced degaussing systems to enhance operational capabilities and ensure compliance with stringent regulations. The segment's prominence reflects the continuous efforts in naval modernization programs globally, creating a substantial market for degaussing systems.

The services segment is expected to have the highest CAGR during the forecast period

The services segment is projected to achieve the highest growth rate during the forecast period in the degaussing systems market. This is attributed to the increasing need for maintenance, calibration and training services. As the complexity of degaussing systems rises, there is a growing demand for specialized services to ensure optimal performance. Additionally, ongoing support services, including maintenance and training, contribute to the segment's rapid growth.

Region with largest share:

North America is expected to dominate the degaussing systems market with the largest market share during the forecast period. This can be attributed to the region's robust defense spending, continuous naval modernization initiatives and strong emphasis on maritime security. The presence of key defense contractors and technological advancements in the United States further contribute to North America's leading position in the market. In addition, the region's strategic focus on naval capabilities fuels the demand for advanced degaussing systems.

Region with highest CAGR:

The Asia-Pacific region is poised for the highest growth in the degaussing systems market during the forecast period. This is driven by escalating naval modernization efforts, increasing defense budgets, and a rising focus on maritime security. As countries in the region strengthen their naval capabilities, there is a growing demand for advanced degaussing systems. Furthermore, Asia Pacific's dynamic geopolitical landscape and the need to counter evolving maritime threats contribute to the region's significant market growth potential.

Key players in the market

Some of the key players in degaussing systems market include American Superconductor Corporation (AMSC), Bollinger Shipyards, L.L.C., ECA GROUP, Groupe Gorg?, Hensoldt AG, IFEN S.p.A., L3Harris Technologies, Inc., Larsen & Toubro Limited, MacTaggart Scott & Company Ltd., Polyamp AB, Raytheon Technologies Corporation, Schneider Electric SE, STL Systems AG, Ultra Electronics Holdings plc and W?rtsil? Corporation.

Key Developments:

In May 2023, The U.S. Department of Defense announced that Fincantieri's U.S. subsidiary Marinette Marine (FMM) has been awarded a USD 526 million contract to build the fourth Constellation-class destroyer for the U.S. Navy. The contract for the main destroyer and nine option ships, signed in 2020, has a cumulative value of USD 5.5 billion, including post-delivery readiness support and crew training.

In December 2022, American Superconductor Corporation (AMSC), a U.S.-based energy technology company, announced that it has entered into a supply agreement with Huntington Ingalls Industries through its Ingalls Shipbuilding division for ship protection systems based on high temperature superconductors (HTS). They plan to deploy these systems aboard the San Antonio-class amphibious dock transport ship LPD-32.

In August 2022, The U.S. Navy has signed a contract with Bollinger Shipyards to design and build an unmanned surface ship capable of mine-sweeping and mine-hunting operations. The initial contract covers three vessels, with options for up to 27 more vessels. Bollinger is a privately held company that designs and manufactures military and commercial vessels.

Products Covered:

Hardware

Software

Vessel Types Covered:

Small Vessel

Medium Vessel

Large Vessel

End Users Covered:

Original Equipment Manufacturer (OEM)

Aftermarket

Services

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 3032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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