

Global Military Sonar Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Military Sonar market size was valued at USD 2011.6 million in 2023 and is forecast to a readjusted size of USD 4410.1 million by 2030 with a CAGR of 11.9% during review period.

Military sonars can be classified into two basic types, active and passive. Active sonar uses an array of electro-acoustic transducers to generate a sonic pulse, or ping, and hydrophones to detect the echoes of the pulse. Distance measurements are made using the time taken to receive the echo, plus the known speed of sound in water.

Military sonar has multiple applications in the naval industry, some of which are listed below.

1. Mine and obstacle detection

Mine detection sonar systems can help detect various types of mines, including bottom mines, moored mines and floating mines, as well as other objects that could obstruct naval vessel navigation. Sonars provide full coverage and awareness of surrounding waters in addition to high-resolution images and detailed bathymetry of the seabed, which enables naval vessels to safely navigate uncharted waters.

2. Anti-submarine warfare

ASW underwater sonar equipment is used by naval vessels to detect, classify, track and attack underwater threats and targets, such as torpedoes. ASW sonars are usually of two types, active or passive. Active sonars are used to detect the acoustic signature of a submarine or underwater threat and target its position. Passive sonars are used to

listen to the sounds of submarines and surface vessels using underwater hydrophones.

3. Navigation and communication

Sonar technology is used by submarines to safely navigate, as radars are not effective under water. Sonar arrays are usually hull-mounted or towed and enable the detection of faraway objects.

4. Communication sonar systems use sound propagation to communicate with other vessels and submarines.

Global key players of military sonar include Thales Group, Lockheed Martin, Raytheon, L3Harris Technologies, Atlas Elektronik, etc. The top three players hold a share about 65%.

Asia-Pacific is the largest market, has a share about 47%, followed by Region Two, and Region Three, with share 22% and 19%, separately.

In terms of product type, variable depth sonar is the largest segment, occupied for a share of 44%, and in terms of application, surface vessels has a share about 61 percent.

The Global Info Research report includes an overview of the development of the Military Sonar industry chain, the market status of Surface Vessels (Variable Depth Sonar, Towed Array Sonar), Submarines (Variable Depth Sonar, Towed Array Sonar), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Military Sonar.

Regionally, the report analyzes the Military Sonar markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Military Sonar market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Military Sonar market. It provides a holistic view of the industry, as well as detailed insights into individual

components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Military Sonar industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Variable Depth Sonar, Towed Array Sonar).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Military Sonar market.

Regional Analysis: The report involves examining the Military Sonar market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Military Sonar market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Military Sonar:

Company Analysis: Report covers individual Military Sonar manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Military Sonar This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Surface Vessels, Submarines).

Technology Analysis: Report covers specific technologies relevant to Military Sonar. It assesses the current state, advancements, and potential future developments in Military Sonar areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers,

the report present insights into the competitive landscape of the Military Sonar market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Military Sonar market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

- Variable Depth Sonar

- Towed Array Sonar

- Hull Mounted Sonar

Market segment by Application

- Surface Vessels

- Submarines

- Others

Major players covered

- Thales Group

- Lockheed Martin

- Raytheon

L3Harris Technologies

Atlas Elektronik

Leonardo

Ultra Electronics

Cohort

CMIE

Kongsberg Maritime

DSIT Solutions

GeoSpectrum Technologies

SAES

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Military Sonar product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Military Sonar, with price, sales, revenue and global market share of Military Sonar from 2019 to 2024.

Chapter 3, the Military Sonar competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Military Sonar breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Military Sonar market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Military Sonar.

Chapter 14 and 15, to describe Military Sonar sales channel, distributors, customers, research findings and conclusion.

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