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# Sonar Systems and Technology Market Research Report - Global Forecast till 2027

Report / Search Code: MRFR/A&D/7251-CR

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## Description:

### Sonar Systems And Technology Market Overview

The military forces are the backbone of the nation's peace; hence the rise in global concern for the protection of military forces is propelling the growth of various markets related to the defense sectors. These markets are enhancing with tremendous growth due to its widespread demand among the military sectors across the world. The rise in demand for advanced military equipment and materials is emerging with huge opportunities. The Sonar Systems And Technology Market is noticing remarkable growth due to its growing demand in defense sectors, especially for the naval forces.

Sonar System refers to sound navigation and ranging technique that uses sound propagation for navigation and communication purposes. They are even used to detect underwater objects or obstacles. This technology has been effective for water travel services and transportation, as it helps ships and submarines detect objects that can be a risk factor for water transports. The sonar system has shown its crucial role for the naval militaries. It helps them travel through the water bodies efficiently by detecting threats and other risky objects. Due to these factors, the Sonar Systems And Technology Market Growth is trending globally. The rise in the risk of terror attacks through the water bodies uplifts market demand. The defense sectors are highly demanding for sonar systems for the naval forces, which is propelling the Sonar Systems And Technology Market Size. The trading activities between the nations are even upgrading the market trends through the water bodies.

The defense entities and the government's investments in the Sonar Systems And Technology Market to procure advanced sonar systems in the naval operation or mission and run the trading services smoothly is bringing huge opportunities for the market. Due to these factors, the Sonar Systems And Technology Market to witness a strong CAGR of 6.88 % with a USD value of \$4,214.4 Million by 2025 during the forecast period.

### COVID-19 Analysis

The pandemic period has shown the worst impact on almost every market sector. The Sonar Systems And Technology Market also faced a moderate decline in the growth graph due to the lockdown effect. The rules and regulations of lockdown have shown a bad impact on different operational services. It restricted the manufacturing operations and production process and disrupted the supply chains related to shipping services. The trading activities were even halted, showing a worse impact on the Sonar Systems And Technology Market Value. The key players plan their strategies to regain the financial losses before reaching the forecast period.

### Chief Factors Existing In The Market

#### • Key Market Drivers

The key drivers of the Sonar Systems And Technology Market are enhancing the market's growth. The stable growth in delivering military vessels is one of the major driving factors of the market. The increase of trading activities through the water bodies boosts the Sonar Systems And Technology Market Growth.

#### • Market Challenges

There are challenging factors of the Sonar Systems And Technology Market that are creating, which is letting the market face a challenging situation. The shifting from 2D sonar processing to 3D sonar processing is a major challenge for the market.

#### • Market Opportunities

The Sonar Systems And Technology Market Trends is receiving huge opportunities across the globe.

The increase in UUVs (Unmanned underwater vehicles) adoption for different marine activities such as seabed terrain investigation, mine detection, and other activities is bringing up new growth opportunities for the market.

- **Market Restraints**

The restraining factors of the Sonar Systems And Technology Market are hampering its growth rate. The presence of similar effective technologies is one of the major restraining factors of the Sonar Systems And Technology Market Value.

## **Cumulative Evaluation Of The Market**

The evaluated report shows the growth of the Sonar Systems And Technology Market Forecast in recent years. The role of market dynamics, such as the key drivers and opportunities, are boosting the Sonar Systems And Technology Market Growth. The challenging and restraining factors hinder the market's growth rate, but the market is expected to overcome these factors to reach its estimated value during the forecast period.

## **Market Segmentation**

The Sonar Systems And Technology Market Size is segmented into product type, mode of operation, solution, application, and commercial segments.

- **By Product Type**

Based on the product type, the Sonar Systems And Technology Market is classified into various segments such as hull-mounted sonar, stern-mounted sonar, dipping sonar, and sonobuoy. Among these segments, the hull-mounted segment is considered the dominating segment of the product type.

- **By Mode of Operation**

In the mode of operation segment, the Sonar Systems And Technology Market is divided into active, passive, and dual. The active segment is leading the market with a high USD value. Hence it is expected to reach the highest CAGR during the review period.

- **By Solution**

The Sonar Systems And Technology Market is sub-segmented into hardware and software under the solution segment. Between these two, the hardware segment reaches the highest CAGR during the forecast period because of its wide usage.

- **By Application**

The application segment is categorized into defense and commercial segments. The defense segment is classified into anti-submarine warfare, port security, diver detection, mine detection, countermeasure system, search & rescue, and others. In contrast, the commercial segment is further classified into fisheries, hydrography, and navigation. The defense segment has noticed steady growth, and it is expected to reach the highest CAGR.

## **Regional Analysis**

According to the geographical status, the Sonar Systems And Technology Market Analysis has shown the market's development in various regions across the world, such as North America, Europe, Asia Pacific, the Middle East & Africa, and Latin America. Among the above geographical region, North America accounted for the largest market share of the Sonar Systems And Technology Market Share. The presence of prominent players, especially in the region of the US, is driving the regional market of the North American Market. The European Market is accounted for the second-largest market share in the past years. The Asia Pacific market has noticed a significant share value of the Sonar Systems And Technology Market Share, and it is divided into various developing regions such as India, China, Japan, Australia, and the rest of the Asia Pacific region. The Middle East & Africa observe considerable share value due to the adoption of sonar systems to protect oil and gas sites. The Latin American region is even showing steady growth due to the increased investment by the government authorities in maritime commercial activities.

## **Competitive Intensity Within The Industry**

The key players of the Sonar Systems And Technology Market Outlook are enhancing the market growth with their key strategies. They are responsible for emerging the Sonar Systems And Technology Market Value globally. Here is the list of prominent key players in the market.

- Raytheon Company (US)

- Lockheed Martin Corporation (US)
- Thales Group (France)
- L3Harris Technologies, Inc (US)
- Kongsberg Maritime (Norway)
- Aselsan AŞ (Turkey)
- Teledyne Technologies Incorporated (US)
- Ultra Electronics (UK)
- Wärtsilä (Finland)
- FURUNO Electric Co., Ltd (Japan)
- Sonardyne (UK)
- Atlas Elektronik Group (Germany)
- Navico (Norway),
- Japan Radio Co. (Japan)
- DSIT Solutions Ltd (Israel)
- EdgeTech (US)

### **Recent Market Development**

- Kongsberg To Provide Sonar And Navigation Systems For Type 212CD Submarines. Active sonar suite and bottom navigation technology from Kongsberg Maritime (KONGSBERG) has been selected for installation on Type 212CD class submarines for both the Norwegian and German navies.
- According to the Taiwanese Naval Officials, IDS will be provided with MK-48 Mod 6 Advanced Technology heavyweight torpedoes, UGM-84L sub-launched Harpoon Block II missiles, and other combat and digital sonar systems provided by US suppliers Lockheed Martin and Raytheon.

### **Report Overview**

The overall report of the Sonar Systems And Technology Market Outlook states about the growth rate of the market till the present year. The progress of the market was stated in the report. The COVID analysis showed the revenue loss, which is to be restored in the future days. The chief existing factors such as the key drivers and opportunities role to propel the growth of Sonar Systems And Technology Market Trends was reviewed. The presence of prominent key players across the globe was noticed to upgrade the services of the market. The segmentation analysis reported the growth and share of each segment in the coming years.

### **Key Industrial Segments**

#### **By Product Type**

- Hull-Mounted Sonar
- Stern-Mounted Sonar
- Dipping Sonar

- Sonobuoy

#### **By Mode of Operation**

- Active
- Passive
- Dual

#### **By Solution**

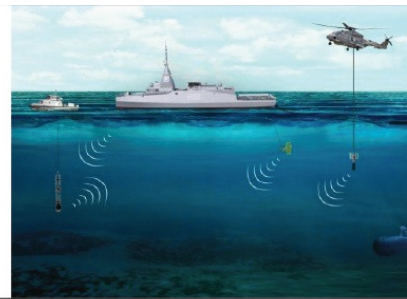
- Hardware
- Software

#### **By Application**

- Defense (Anti-Submarine Warfare, Port Security, Diver Detection, Mine Detection, and Countermeasure Systems, Search & Rescue, and Others)
- Commercial (Fisheries, Hydrography, and Navigation)

# GLOBAL SONAR SYSTEMS TECHNOLOGY MARKET

Global Sonar Systems Technology Market is expected to grow at a Significant CAGR During Forecast Period. Global Sonar Systems And Technology Market is growing at a significant rate owing to increasing military expenditure and a surge in international seaborne trade.



## BY TYPE

- Hull-Mounted Sonar,
- Stern-Mounted Sonar,
- Dipping Sonar,
- Sonobuoy

## BY APPLICATION

- Anti-Submarine Warfare,
- Port Security,
- Diver Detection,
- Mine Detection,
- Countermeasure Systems,
- Search & Rescue
- Others

## BY REGION

- North America
- Europe
- Asia-Pacific
- Rest of the World

## GLOBAL SONAR SYSTEMS TECHNOLOGY MARKET SHARE, BY REGION, 2018



### DRIVERS:

- Rising military expenditure and upgrade of fishing vessels



### CHALLENGES:

- The presence of similar effective technologies can restrain the Sonar systems and technology market.



### KEY PLAYERS:

- Raytheon Company (US),
- Lockheed Martin Corporation (US),
- Thales Group (France),
- L3Harris Technologies, Inc. (the US),
- Kongsberg Maritime (Norway),
- Aselsan AŞ (Turkey),
- Teledyne Technologies Incorporated (US),
- Ultra Electronics (UK),
- Wärtsilä (Finland),
- FURUNO Electric Co., Ltd (Japan),
- Sonardyne (UK)





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