

In-Depth Analysis Of The Global Sonar Systems Market: Key Drivers, Trends, Growth Opportunities, And Forecast 2025-2034

The Business Research Company's Sonar Systems Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- The sonar systems market has experienced strong growth in recent years. It is

expected to rise from \$4.24 billion in 2024 to \$4.61 billion in 2025, with a compound annual growth rate (CAGR) of 8.7%. The growth observed in the past can be attributed to factors such as investments in naval defense, underwater resource exploration, the development of autonomous underwater vehicles (AUVs), the commercial fishing industry, and environmental monitoring.



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How Big Is the Global Sonar Systems Market Expected to Grow, and What Is Its Annual Growth Rate?

The sonar systems market is expected to experience substantial growth in the coming years, reaching \$5.99 billion by 2029, with a compound annual growth rate (CAGR) of 6.8%. This growth in the forecast period can be attributed to factors such as the increasing number of solar power projects, the growing popularity of off-grid

solar trackers for power generation, rising energy demand, greater awareness of the environmental benefits of solar power, and favorable government policies and initiatives. Key trends during this period will include the use of artificial intelligence (AI) and machine learning (ML), 3D sonar imaging and mapping, counter-submarine warfare (ASW), sensor fusion and data integration, and smart inverters.

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What Is Driving the Growth of the Sonar Systems Market?

The increasing frequency of terrorist attacks is playing a major role in the expansion of the sonar systems market. Terrorism is characterized by violence in an asymmetrical conflict aimed at creating terror and psychological fear. Sonar systems are valuable in detecting and addressing terror activities, including bomb threats, underground bomb placements, and unidentified submarines in oceans, among other threats.

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Which Leading Companies Are Driving The Growth Of The Sonar Systems Market Share?

Major companies operating in the sonar systems market include Ultra Electronics Holdings plc, Thales Group, Navico Holding AS, L3Harris Technologies Inc., Atlas Elektronik GmbH

What Are The Key Trends Driving The Growth Of The Sonar Systems Market Size?

Technological progress in sonar systems is a significant trend in the market. Companies are focusing more on innovation to develop advanced sonar systems for military and warfare applications.

How Is the Global Sonar Systems Market Segmented?

The sonar systems market covered in this report is segmented –

- 1) By Product: Hull-Mounted Sonar, Stern-Mounted Sonar, Dipping Sonar, Sonobuoy
- 2) By Installation: Fixed, Deployable
- 3) By Acoustic Frequency: Ultrasonic, Infrasonic
- 4) By Application: Anti-Submarine Warfare, Port Security, Mine Detection and Countermeasure Systems, Search and Rescue, Navigation, Diver Detection, Seabed Terrain Investigation, Scientific

Subsegments:

- 1) By Hull-Mounted Sonar: Active Hull-Mounted Sonar, Passive Hull-Mounted Sonar, Multibeam Hull-Mounted Sonar
- 2) By Stern-Mounted Sonar: Active Stern-Mounted Sonar, Passive Stern-Mounted Sonar, Side-Scanning Stern-Mounted Sonar
- 3) By Dipping Sonar: Helicopter Dipping Sonar, Shipborne Dipping Sonar
- 4) By Sonobuoy: Active Sonobuoys, Passive Sonobuoys, Directional Sonobuoys

The Leading Region in the Sonar Systems Market is:

North America was the largest region in the sonar systems market in 2024. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the sonar systems market report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East and Africa.

What Is the Sonar Systems Market?

Sonar systems are based on SONAR (Sound Navigation and Ranging) technology. This technique uses sound waves at specific frequencies to map distances and objects, particularly in marine navigation, as sound waves travel much farther underwater than radar or light waves. The sonar device detects sound waves emitted or reflected by objects, and software analyzes these signals to create nautical charts, identify underwater hazards, map seafloor objects like shipwrecks, and map the seafloor itself.

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