

Sonobuoy Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global sonobuoy market size reached US\$ 468.2 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 641.1 Million by 2028, exhibiting a growth rate (CAGR) of 5.26% during 2023-2028.

A sonobuoy refers to a portable sonar system that is used for tracking underwater objects and conducting research. It consists of a radio transmitter and hydrophones for transmitting ultra-high frequency (UHF). The sonobuoys are launched into the ocean by aircraft and ships for marine patrol and anti-submarine warfare applications. Some of the common types of sonobuoys include passive, active, multi-static, bathythermograph and Differential Acoustic Frequency Analysis and Reading (DIFAR) buoys. They transmit sound waves to the seabed, which gets reflected to the buoy, and assist in detecting the presence of other submarines within the range to prevent potential attacks.

Significant growth in the maritime industry across the globe is one of the key factors creating a positive outlook of the market. Furthermore, the increasing adoption of sonobuoys to detect the presence of other submarines and monitor underwater seismic waves is also driving the market growth. Sonobuoys also find extensive applications across the oil and gas industry wherein they are used for mapping the composition of the seabed layers to identify salt domes and oil deposits. This, along with various technological advancements, such as the utilization of advanced sensing, range and direction capabilities, is acting as another growth-inducing factor. Active sonobuoys are incorporated with advanced radio transducers, receivers and acoustic sensing systems to enhance operational efficiency. Other factors, including increasing defense

expenditure and the growing adoption of unmanned underwater vehicles, are expected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global sonobuoy market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on function, technology, installation, size, range and application.

Breakup by Function:

Active

Passive

Special Purpose

Breakup by Technology:

Bathythermo Buoy

Directional Command Activated

Data Link Communications

Directional Frequency Analysis and Recording

Low Frequency Analysis and Recording

Others

Breakup by Installation:

Spring

Pneumatic

Free-Fall

Cartridge

Breakup by Size:

Size A

Size B

Size C

Others

Breakup by Range:

Short Range

Long Range

Breakup by Application:

Defense

Commercial

Others

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being General Dynamics Mission Systems, Radixon Group Pty Ltd (Robotron PTY Ltd.), Sealandaire Technologies Inc., Sparton Corporation, Tata Advanced Systems, Thales Group and Ultra Group.

Key Questions Answered in This Report

1. What was the size of the global sonobuoy market in 2022?
2. What is the expected growth rate of the global sonobuoy market during 2023-2028?
3. What are the key factors driving the global sonobuoy market?
4. What has been the impact of COVID-19 on the global sonobuoy market?
5. What is the breakup of the global sonobuoy market based on the function?
6. What is the breakup of the global sonobuoy market based on the technology?
7. What is the breakup of the global sonobuoy market based on installation?
8. What is the breakup of the global sonobuoy market based on the size?
9. What is the breakup of the global sonobuoy market based on the range?
10. What is the breakup of the global sonobuoy market based on the application?
11. What are the key regions in the global sonobuoy market?
12. Who are the key players/companies in the global sonobuoy market?

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