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Global Underwater Acoustic Positioning and Communicating Systems Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Underwater Acoustic Positioning and Communicating Systems market size was valued at US$ 1890 million in 2025 and is forecast to a readjusted size of US$ 3680 million by 2032 with a CAGR of 6.7% during review period.

Underwater Acoustic Positioning and Communicating Systems refer to integrated systems that use acoustic waves—rather than GNSS or electromagnetic signals—to enable underwater positioning (USBL/SBL/LBL) and data communication between submerged assets and surface or subsea nodes. A typical system comprises acoustic modems, transponders/transceivers, beacons or release/recovery devices, and topside software for synchronization, navigation fusion, and network management. In 2024, depending on whether positioning and communication are counted separately or as a combined system market, the addressable global market is generally assessed at USD 2 billion, reflecting sustained demand from offshore energy, subsea engineering, and ocean observing programs, with growth driven by AUV/ROV deployment and long-term subsea monitoring.

Representative international suppliers include Sonardyne (USBL/LBL positioning and transponders), EvoLogics and LinkQuest (acoustic modems), Blueprint Subsea (USBL and beacon-based systems), and Teledyne Benthos (modems, beacons, releases). In China, system-level capabilities are represented by organizations such as CSSC 715, Institute of Acoustics, Chinese Academy of Sciences, and engineering-oriented firms including Hi-Target Surveying Instrument. Upstream supply chains center on piezoelectric ceramics (PZT) for transducers, underwater connectors, pressure-resistant housings (titanium or high-grade alloys), and industrial electronics; midstream players

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integrate these into modems, transponders, and positioning systems, while downstream integrators deliver turnkey subsea solutions.

Downstream applications span offshore oil and gas (subsea equipment control, ROV/AUV navigation, pipeline and field monitoring), offshore wind (foundation installation, cable laying and inspection), marine minerals (deep-sea survey and pre-mining investigation), marine communications and observation networks (long-term seabed monitoring), scientific research and environmental monitoring, and marine fisheries (smart aquaculture and asset tracking). Typical customers include oil and gas operators, offshore wind developers, marine engineering contractors, oceanographic institutes, government monitoring agencies, and increasingly operators of autonomous underwater platforms. Across these sectors, procurement is usually system-oriented, emphasizing reliability, positioning accuracy, lifecycle support, and proven offshore deployment capability rather than standalone device performance.

This report is a detailed and comprehensive analysis for global Underwater Acoustic Positioning and Communicating Systems market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Underwater Acoustic Positioning and Communicating Systems market size and forecasts, in consumption value ($ Million), 2021-2032

Global Underwater Acoustic Positioning and Communicating Systems market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Underwater Acoustic Positioning and Communicating Systems market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Underwater Acoustic Positioning and Communicating Systems market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

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To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Underwater Acoustic Positioning and Communicating Systems
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Underwater Acoustic Positioning and Communicating Systems market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include China Shipbuilding Industry Corporation 715 Research Institute, Institute of Acoustics, Chinese Academy of Sciences, Jiaxing Zhongke Acoustics Technology, Shenzhen Smart Ocean Technology, Aohai Technology, Zhilan Technology, Hi-Target Surveying Instrument, Sea Eagle, Xingtian Ocean, Beijing United Sound Ocean Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Underwater Acoustic Positioning and Communicating Systems market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Acoustic Communication System

Acoustic Positioning Systems

Acoustic Recovery

Market segment by Service

Hardware

Software

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Service

Market segment by Application

Offshore Oil and Gas

Offshore Wind Power

Marine Minerals

Marine Communications

Scientific Research and Environmental Monitoring

Marine Fisheries

Other

Market segment by players, this report covers

China Shipbuilding Industry Corporation 715 Research Institute

Institute of Acoustics, Chinese Academy of Sciences

Jiaxing Zhongke Acoustics Technology

Shenzhen Smart Ocean Technology

Aohai Technology

Zhilan Technology

Hi-Target Surveying Instrument

Sea Eagle

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Xingtian Ocean

Beijing United Sound Ocean Technology

Huihai

Blueprint Design

LinkQuest

Sonardyne

Teledyne Benthos

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Underwater Acoustic Positioning and Communicating Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Underwater Acoustic Positioning and Communicating Systems, with revenue, gross margin, and global market share of Underwater Acoustic Positioning and Communicating Systems from 2021 to 2026.

Chapter 3, the Underwater Acoustic Positioning and Communicating Systems competitive situation, revenue, and global market share of top players are analyzed

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emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Underwater Acoustic Positioning and Communicating Systems market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Underwater Acoustic Positioning and Communicating Systems.

Chapter 13, to describe Underwater Acoustic Positioning and Communicating Systems research findings and conclusion.

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