

# Global Acoustic Positioning Systems Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Acoustic Positioning Systems market size is expected to reach \$ 2112 million by 2032, rising at a market growth of 7.8% CAGR during the forecast period (2026-2032).

In 2025, global Acoustic Positioning Systems production reached approximately 0.12 M Units. Prices range from \$7,000 to over \$20,000. Acoustic positioning systems are positioning systems that utilize the propagation characteristics of underwater sound waves to calculate the spatial position of underwater targets or equipment in real time or near real time through methods such as ranging, direction finding, or time difference of arrival (TOA/TDOA).

### Gross Margin Levels

The gross margin structure of acoustic positioning systems exhibits a typical characteristic of 'medium-level hardware, higher-level software and services.' Hardware components such as shipborne array transducers, pressure-resistant housings, power amplifiers, and high-reliability connectors are constrained by materials and processing (pressure resistance, sealing, corrosion resistance, reliability testing), resulting in relatively stable gross margins. However, algorithm computation, noise-reducing signal processing, INS fusion, calibration toolchains, multi-target scheduling, and data interfaces (DP/measurement software, cloud data management, project delivery, and training) are more likely to generate differentiated premiums. The industry's overall gross margin generally falls within the 35%-60% range: high-end (deep-water, broadband spread spectrum, USBL+INS integrated, DP reference level, and multi-asset concurrency) are closer to the upper limit; mid-to-low-end (short-range, small ROV, single-function positioning) are closer to the median. With the increasing proportion of 'positioning systems as platforms' (software subscriptions, remote diagnostics, calibration and maintenance packages, spare parts and leasing), the overall gross margin of leading manufacturers often has upward potential.

## Industry Drivers

The core driver of the continued growth of acoustic positioning systems is not 'underwater positioning itself,' but rather the shift of underwater operations from one-off projects to high-frequency, long-cycle, and auditable infrastructure maintenance. Assets such as offshore wind power and submarine cables require more intensive inspections and repairs, and the increased use of ROVs/AUVs leads to demands for systems with 'faster deployment, less calibration, stronger noise immunity, and higher concurrency.' Simultaneously, deep-water and multi-vessel parallel operations make acoustic interference and multi-user collaboration essential, driving upgrades and iterations of broadband/spread spectrum, multi-channel, combined baseline, and fused navigation (USBL+INS). Dynamic positioning (DP) and engineering surveying scenarios place higher demands on the stability and traceability of positioning data, prompting manufacturers to increase investment in sensor fusion, quality indicator output (accuracy/confidence/noise status), and interface standardization with operational systems.

This report studies the global Acoustic Positioning Systems production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Acoustic Positioning Systems and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Acoustic Positioning Systems that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Acoustic Positioning Systems total production and demand, 2021-2032, (Units)

Global Acoustic Positioning Systems total production value, 2021-2032, (USD Million)

Global Acoustic Positioning Systems production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Acoustic Positioning Systems consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Acoustic Positioning Systems domestic production, consumption, key domestic manufacturers and share

Global Acoustic Positioning Systems production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Acoustic Positioning Systems production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Acoustic Positioning Systems production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Acoustic Positioning Systems market based on the following parameters - company overview, production, value, price, gross margin,

product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sonardyne International, Kongsberg Maritime, Teledyne Marine, Exail, EvoLogics GmbH, Nautronix, LinkQuest Inc., Trittech International, Applied Acoustics, Blueprint Subsea, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Acoustic Positioning Systems market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Acoustic Positioning Systems Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Acoustic Positioning Systems Market, Segmentation by Type:

Shallow-Water Type

Nearshore Type

Deep-Sea Type

Abyssal Type

Global Acoustic Positioning Systems Market, Segmentation by Positioning Accuracy:

Centimeter Level

Sub-Meter Level

Meter Level

Global Acoustic Positioning Systems Market, Segmentation by Signal Type:

Narrowband Signal System

Wideband Signal System

Adaptive Signal System

Global Acoustic Positioning Systems Market, Segmentation by Application:

Marine Engineering and Oil and Gas Development

National Defense and Security

Marine Scientific Research

Others

**Companies Profiled:**

Sonardyne International

Kongsberg Maritime

Teledyne Marine

Exail

EvoLogics GmbH

Nautronix

LinkQuest Inc.

Tritech International

Applied Acoustics

Blueprint Subsea

Water Linked

EdgeTech

Advanced Navigation

DiveNET Subsea Wireless

Desert Star Systems

RTSYS

Dukane Seacom

Acron Aviation

L3Harris

RJE International

## **Key Questions Answered:**

1. How big is the global Acoustic Positioning Systems market?
2. What is the demand of the global Acoustic Positioning Systems market?
3. What is the year over year growth of the global Acoustic Positioning Systems market?
4. What is the production and production value of the global Acoustic Positioning Systems market?
5. Who are the key producers in the global Acoustic Positioning Systems market?
6. What are the growth factors driving the market demand?

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