



Underwater Acoustic Communication Report 2025 – For Strategy Officers And Market Intelligence Teams

*The Business Research Company's
Underwater Acoustic Communication
Global Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, June 27, 2025

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Underwater Acoustic Communication Global Market
Report 2025

What Are The Notable Trends Observed In The [Underwater Acoustic Communication Market](#)?

The underwater acoustic communication market has seen a spurt in growth in recent years, with the market size standing at \$2.39 billion in 2024, projected to reach \$2.68 billion in 2025. This growth trajectory, extrapolated at a compound annual growth rate CAGR of 11.9%, is fueled by factors such as naval defense applications, requirements of the oil and gas industry, advancements in scientific research and oceanography, expansion of underwater surveillance systems, and submarine cable maintenance.

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How Will The Underwater Acoustic Communication Market Evolve In The Coming Years?

It is expected that the underwater acoustic communication market will see rapid expansion in the next few years, growing to \$4.41 billion by 2029 at a CAGR of 13.3%. This anticipated growth can be attributed to a surge in demand in offshore renewable energy, the expansion of underwater robotics, a rise in commercial subsea exploration, the development of underwater

data centers, the emphasis on environmental monitoring and conservation, along with increasing applications in the military and defense sector.

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How Is The Rising Demand For Environmental Protection Steering The Market?

Environmental protection initiatives are expected to be a significant growth driver of the underwater acoustic communication market. These initiatives primarily involve actions taken to conserve and preserve the natural environment, prevent pollution, and promote sustainable practices to safeguard the Earth's ecosystems and resources. Within this context, underwater acoustic communication plays a vital role in supporting conservation efforts and promoting sustainable practices in aquatic environments, including underwater noise monitoring and marine protected area MPA management.

Who Are The Key Players In The Underwater Acoustic Communication Market?

Notable companies operating in the underwater acoustic communication market include Thales Group, L3Harris Technologies Inc., Teledyne Technologies Inc., Saab AB, Moog Inc., Ultra Electronics Ocean Systems Inc., Kongsberg Maritime, Channel Technologies Group, Sonardyne International Ltd., Mistral Solutions Pvt. Ltd., Triton International Ltd., EdgeTech Marine, Aquatec Group Limited, Guralp Systems Ltd., Gavial Engineering & Manufacturing Inc, Advanced Navigation, Trelleborg Applied Technologies, Ocean Technology Systems, Xeos Technologies Inc., Blueprint Subsea, DSPComm, EvoLogics GmbH, BaltRobotics Sp.z.o.o., J W Fishers Manufacturing Co., RJE International Inc., LinkQuest Inc., Hydroacoustics Inc., Ocean Sonics Ltd., FarSounder Inc., Subnero Pte Ltd, Nortek Group.

What Are The Emerging [Trends In The Underwater Acoustic Communication Market?](#)

Major companies in the underwater acoustic communication market focus on launching innovative solutions, such as cutting-edge underwater acoustic communication systems, which implement multiple types of modulations for data transmission. These systems, inclusive of a synthesized, high-power transceiver with preset capabilities, are designed to support covert operational missions of multiple maritime vessels, tactical missions, and search and rescue operations.

In Which Segments Is The Underwater Acoustic Communication Market Classified?

The underwater acoustic communication market segmentation details are as follows:

By Interface Platform: Sensor Interface, Acoustic Modem, Other Interface Platforms

By Communication Depth: Shallow Water, Medium Water, Long Water, Full Ocean

By Application: Environmental Monitoring, Pollution Monitoring, Climate Recording, Hydrography, Oceanography, Other Applications

By End-User: Oil And Gas, Military And Defense, Scientific Research And Development, Homeland Security, Marine

Subsegments:

By Sensor Interface: Environmental Sensors, Sonar Systems, Oceanographic Sensors

By Acoustic Modem: Wireless Acoustic Modems, Underwater Communication Modems, Integrated Acoustic Modems

By Other Interface Platforms: Data Acquisition Systems, Communication Protocol Interfaces, Network Management Systems

Which Regions Lead The Underwater Acoustic Communication Market?

As of 2024, North America was the largest region in the market. This report further provides insights into other regions including Asia-Pacific, Western Europe, Eastern Europe, South America, Middle East, and Africa. Important nations covered in the report are Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA, Canada, Italy, Spain.

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