

Global Metocean Buoy Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Metocean Buoy market size is expected to reach \$ 592 million by 2032, rising at a market growth of 3.1% CAGR during the forecast period (2026-2032).

Metocean Buoy is a floating environmental monitoring platform designed to collect and transmit meteorological and oceanographic data from marine environments, integrating an array of sensors and communication systems to measure variables such as wind speed and direction, wave parameters, ocean currents and atmospheric conditions. The unit price of Metocean Buoy typically ranges from several thousand to tens of thousands of US dollars, with industry gross profit margins generally between 20% and 40%.

The upstream supply chain of Metocean Buoys includes specialized component manufacturers that provide critical sensors, telemetry and data logging systems, power systems and corrosion-resistant materials, while buoy hull designers and materials engineers contribute structural and durability innovations. At the core of the value chain are system integrators and buoy manufacturers who assemble, customize and test the complete platforms, integrating third-party components and bespoke configurations to meet specific deployment requirements. Downstream, end users such as government agencies, research institutions and offshore energy operators deploy these systems for environmental monitoring, resource assessment and safety operations, supported by a network of service providers that handle deployment logistics, maintenance, data processing and analytics services that turn raw metocean data into actionable insights.

The Metocean Buoy market is shaped by the growing global need for reliable and continuous environmental data from marine environments, as multiple industries and research sectors increasingly require accurate meteorological and oceanographic

information for informed decision-making. These buoy systems are integral to offshore energy projects, environmental monitoring, maritime safety and scientific research, which in turn drives sustained investment in advanced sensing, communication and deployment technologies. As marine operations expand into deeper and harsher waters, the demand for resilient, customizable and data-rich buoy platforms continues to grow, reinforcing the strategic importance of metocean buoy technologies across both commercial and government sectors.

This report studies the global Metocean Buoy production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metocean Buoy 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 Metocean Buoy that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metocean Buoy total production and demand, 2021-2032, (Units)

Global Metocean Buoy total production value, 2021-2032, (USD Million)

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

Global Metocean Buoy consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Metocean Buoy domestic production, consumption, key domestic manufacturers and share

Global Metocean Buoy production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Metocean Buoy production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Metocean Buoy production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Metocean Buoy 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 Xylem, RPS (Tetra Tech), Fugro, Xeos Technologies (Satlink), JFC Marine, Sofar Ocean, AXYS Technologies, Observer Group, RTSYS, Mobilis, 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 Metocean Buoy market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K 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 Metocean Buoy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metocean Buoy Market, Segmentation by Type:

Moored Buoy

Drifting Buoy

Global Metocean Buoy Market, Segmentation by Operating Depth:

Nearshore Buoy

Deep-sea Buoy

Global Metocean Buoy Market, Segmentation by Power:

Solar?Powered Buoy

Battery Powered Buoy

Others

Global Metocean Buoy Market, Segmentation by Application:

Weather Forecasting

Marine Engineering

Environmental Protection

Others

Companies Profiled:

Xylem

RPS (Tetra Tech)

Fugro

Xeos Technologies (Satlink)

JFC Marine

Sofar Ocean

AXYS Technologies

Observator Group

RTSYS

Mobilis

Frankstar Technology

Zeni Lite Buoy

OSIL

Datawell

NexSens

Fastwave

TechWorks Marine

Obscape

Huayun Sounding Meteorological Technology

Lightsun

Shenzhen Smart Ocean Technology

Guangzhou Rui Hai Ocean Technology

Key Questions Answered:

1. How big is the global Metocean Buoy market?
2. What is the demand of the global Metocean Buoy market?
3. What is the year over year growth of the global Metocean Buoy market?

4. What is the production and production value of the global Metocean Buoy market?
5. Who are the key producers in the global Metocean Buoy market?
6. What are the growth factors driving the market demand?

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