

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

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## Abstracts

The global Metocean Data 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 Data Buoy is an instrumented floating platform designed to collect, store, and transmit meteorological and oceanographic data from marine environments. It typically integrates sensors for wind, waves, currents, air and water conditions, and other environmental parameters with data logging, power supply, telemetry, and mooring systems, allowing users to obtain continuous field data from coastal, offshore, or open water locations. In practical market usage, it refers to a configurable marine data acquisition system that supports weather monitoring, ocean condition assessment, engineering design, environmental studies, and operational decision making. The unit price of a Metocean Data Buoy typically ranges from several thousand to tens of thousands of US dollars, with industry gross margins generally between 20% and 40%.

The upstream supply chain of Metocean Data Buoys includes suppliers of buoy hulls, corrosion resistant materials, meteorological sensors, wave sensors, current meters, water quality probes, data loggers, satellite and cellular communication modules, solar panels, batteries, navigation lights, mooring hardware, and calibration services. System manufacturers and integrators assemble these components into complete buoy platforms, customize sensor packages, perform testing, and provide deployment support according to site conditions and data requirements. Downstream users include offshore wind developers, oil and gas operators, national meteorological and oceanographic agencies, research institutions, port and coastal authorities, environmental monitoring organizations, and marine engineering firms, while aftersales services such as installation, maintenance, data hosting, quality control, and analytics form an important part of the overall value chain.

The Metocean Data Buoy market is supported by the rising need for reliable in situ marine and atmospheric data across offshore engineering, ocean research, maritime operations, environmental monitoring, and renewable energy development. Compared with simple weather or wave buoys, Metocean Data Buoys are positioned as more integrated data collection platforms because they combine meteorological, oceanographic, water quality, telemetry, power, and mooring subsystems into a single deployable solution. As offshore activities move into more complex operating environments, customers increasingly value platforms that can deliver stable long term observations, flexible sensor integration, and dependable data transmission, making this market more engineering driven and service intensive than basic buoy hardware markets.

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

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

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Metocean Data 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, Observator 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 Data 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 Data Buoy Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Metocean Data Buoy Market, Segmentation by Type:

Moored Buoy

Drifting Buoy

### Global Metocean Data Buoy Market, Segmentation by Operating Depth:

Nearshore Buoy

Deep-sea Buoy

### Global Metocean Data 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 Data Buoy market?
2. What is the demand of the global Metocean Data Buoy market?
3. What is the year over year growth of the global Metocean Data Buoy market?
4. What is the production and production value of the global Metocean Data Buoy market?

5. Who are the key producers in the global Metocean Data Buoy market?
6. What are the growth factors driving the market demand?

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