

Global Weather Forecasting Services Market to Reach USD 3.86 Billion by 2032

<https://marketpublishers.com/r/G5A98E623E03EN.html>

Date: March 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G5A98E623E03EN

Abstracts

The Global Weather Forecasting Services Market was valued at approximately USD 1.9 billion in 2023 and is projected to expand at a CAGR of 8.20% over the forecast period 2024-2032. Weather forecasting services have evolved significantly, leveraging advanced meteorological models, artificial intelligence, and satellite data analytics to deliver accurate, real-time weather predictions. Industries worldwide, from aviation to agriculture, energy to insurance, rely on precise weather forecasting to optimize operations, mitigate risks, and improve efficiency. With climate change increasing the frequency of extreme weather events, the demand for data-driven, AI-powered predictive analytics in meteorology is witnessing exponential growth.

The market expansion is driven by increasing demand for accurate climate predictions, the growing adoption of AI and big data analytics in weather forecasting, and the rising need for disaster management solutions. Governments and businesses are investing in cutting-edge weather prediction models to safeguard assets, ensure safety, and minimize disruptions in industries such as renewable energy, logistics, and aviation. Additionally, the integration of IoT-based weather monitoring devices has enhanced the efficiency of real-time forecasting, further accelerating market growth. However, high infrastructure costs, limited accessibility to advanced weather forecasting technologies in developing economies, and inconsistencies in predictive models pose challenges to widespread adoption.

From a regional perspective, North America leads the weather forecasting services market, driven by substantial investments in climate research, advanced satellite networks, and government initiatives for disaster preparedness. The United States, with agencies like NOAA (National Oceanic and Atmospheric Administration) and NASA, plays a pivotal role in global meteorological advancements. Europe follows closely, with

the UK, Germany, and France investing in smart weather monitoring technologies for aviation, marine, and energy sectors. Meanwhile, Asia-Pacific is expected to be the fastest-growing region, fueled by rapid urbanization, rising climate unpredictability, and increasing investments in weather-based agricultural planning in countries like China, India, and Japan.

Major Market Players Included in This Report Are:

IBM Corporation

AccuWeather Inc.

The Weather Company (An IBM Business)

DTN LLC

The Climate Corporation

StormGeo

Vaisala

Fugro

Global Weather Corporation

Weathernews Inc.

Skymet Weather Services

MeteoGroup

Earth Networks

ENAV S.p.A

Spire Global Inc.

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Industry:

Insurance

Transport

Marine

Aviation

Oil & Gas

Retail

Agriculture

Energy

Construction

By Forecasting Type:

Nowcast

Short-Term Forecast

Medium-Term Forecast

Extended Forecast

Long-Term Forecast

By Purpose:

Safety & Disaster Management

Operational Efficiency

Revenue Optimization

Weather-Based Decision Making

By Organization:

Government Agencies

Private Weather Service Providers

Commercial Enterprises

Research Institutions

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study Are as Follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenue analysis and regional-level insights for each market segment.

Comprehensive geographic analysis with country-level market insights.

Competitive landscape analysis with a focus on major market players.

In-depth study of key business strategies and recommendations for future market approaches.

Assessment of the competitive structure of the industry.

Supply-side and demand-side analysis of market trends.

Contents

CHAPTER 1.GLOBAL WEATHER FORECASTING SERVICES MARKET EXECUTIVE SUMMARY

- 1.1.Global Weather Forecasting Services Market Size & Forecast (2022-2032)
- 1.2.Regional Summary
- 1.3.Segmental Summary
 - 1.3.1.{By Industry}
 - 1.3.2.{By Forecasting Type}
 - 1.3.3.{By Purpose}
 - 1.3.4.{By Organization}
- 1.4.Key Trends
- 1.5.Recession Impact
- 1.6.Analyst Recommendation & Conclusion

CHAPTER 2.GLOBAL WEATHER FORECASTING SERVICES MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1.Research Objective
- 2.2.Market Definition
- 2.3.Research Assumptions
 - 2.3.1.Inclusion & Exclusion
 - 2.3.2.Limitations
 - 2.3.3.Supply Side Analysis
 - 2.3.3.1.Availability
 - 2.3.3.2.Infrastructure
 - 2.3.3.3.Regulatory Environment
 - 2.3.3.4.Market Competition
 - 2.3.3.5.Economic Viability (Consumer's Perspective)
 - 2.3.4.Demand Side Analysis
 - 2.3.4.1.Regulatory Frameworks
 - 2.3.4.2.Technological Advancements
 - 2.3.4.3.Environmental Considerations
 - 2.3.4.4.Consumer Awareness & Acceptance
- 2.4.Estimation Methodology
- 2.5.Years Considered for the Study
- 2.6.Currency Conversion Rates

CHAPTER 3.GLOBAL WEATHER FORECASTING SERVICES MARKET DYNAMICS

3.1.Market Drivers

- 3.1.1.Increasing Demand for Accurate Climate Predictions
- 3.1.2.Adoption of AI and Big Data Analytics in Meteorology
- 3.1.3.Rising Investment in Disaster Management Solutions

3.2.Market Challenges

- 3.2.1.High Infrastructure Costs
- 3.2.2.Limited Accessibility to Advanced Technologies in Developing Economies
- 3.2.3.Inconsistencies in Predictive Models

3.3.Market Opportunities

- 3.3.1.Expansion in Renewable Energy and Logistics Sectors
- 3.3.2.Integration of IoT-Based Weather Monitoring Devices
- 3.3.3.Growing Government Initiatives for Disaster Preparedness

CHAPTER 4.GLOBAL WEATHER FORECASTING SERVICES MARKET INDUSTRY ANALYSIS

4.1.Porter's 5 Force Model

- 4.1.1.Bargaining Power of Suppliers
- 4.1.2.Bargaining Power of Buyers
- 4.1.3.Threat of New Entrants
- 4.1.4.Threat of Substitutes
- 4.1.5.Competitive Rivalry
- 4.1.6.Futuristic Approach to Porter's 5 Force Model
- 4.1.7.Porter's 5 Force Impact Analysis

4.2.PESTEL Analysis

- 4.2.1.Political
- 4.2.2.Economical
- 4.2.3.Social
- 4.2.4.Technological
- 4.2.5.Environmental
- 4.2.6.Legal

4.3.Top Investment Opportunity

4.4.Top Winning Strategies

4.5.Disruptive Trends

4.6.Industry Expert Perspective

4.7.Analyst Recommendation & Conclusion

CHAPTER 5.GLOBAL WEATHER FORECASTING SERVICES MARKET SIZE & FORECASTS BY INDUSTRY 2022-2032

5.1.Segment Dashboard

5.2.Global Weather Forecasting Services Market: {Industry} Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 5.2.1.Insurance
- 5.2.2.Transport
- 5.2.3.Marine
- 5.2.4.Aviation
- 5.2.5.Oil & Gas
- 5.2.6.Retail
- 5.2.7.Agriculture
- 5.2.8.Energy
- 5.2.9.Construction

CHAPTER 6.GLOBAL WEATHER FORECASTING SERVICES MARKET SIZE & FORECASTS BY FORECASTING TYPE 2022-2032

6.1.Segment Dashboard

6.2.Global Weather Forecasting Services Market: {Forecasting Type} Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 6.2.1.Nowcast
- 6.2.2.Short-Term Forecast
- 6.2.3.Medium-Term Forecast
- 6.2.4.Extended Forecast
- 6.2.5.Long-Term Forecast

CHAPTER 7.GLOBAL WEATHER FORECASTING SERVICES MARKET SIZE & FORECASTS BY PURPOSE 2022-2032

7.1.Segment Dashboard

7.2.Global Weather Forecasting Services Market: {Purpose} Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 7.2.1.Safety & Disaster Management
- 7.2.2.Operational Efficiency
- 7.2.3.Revenue Optimization
- 7.2.4.Weather-Based Decision Making

CHAPTER 8.GLOBAL WEATHER FORECASTING SERVICES MARKET SIZE & FORECASTS BY ORGANIZATION 2022-2032

8.1.Segment Dashboard

8.2.Global Weather Forecasting Services Market: {Organization} Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

8.2.1.Government Agencies

8.2.2.Private Weather Service Providers

8.2.3.Commercial Enterprises

8.2.4.Research Institutions

CHAPTER 9.GLOBAL WEATHER FORECASTING SERVICES MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1.North America Weather Forecasting Services Market

9.1.1.U.S. Weather Forecasting Services Market

9.1.1.1.{Industry} Breakdown Size & Forecasts, 2022-2032

9.1.1.2.{Purpose} Breakdown Size & Forecasts, 2022-2032

9.1.2.Canada Weather Forecasting Services Market

9.2.Europe Weather Forecasting Services Market

9.2.1.UK Weather Forecasting Services Market

9.2.2.Germany Weather Forecasting Services Market

9.2.3.France Weather Forecasting Services Market

9.2.4.Spain Weather Forecasting Services Market

9.2.5.Italy Weather Forecasting Services Market

9.2.6.Rest of Europe Weather Forecasting Services Market

9.3.Asia-Pacific Weather Forecasting Services Market

9.3.1.China Weather Forecasting Services Market

9.3.2.India Weather Forecasting Services Market

9.3.3.Japan Weather Forecasting Services Market

9.3.4.Australia Weather Forecasting Services Market

9.3.5.South Korea Weather Forecasting Services Market

9.3.6.Rest of Asia-Pacific Weather Forecasting Services Market

9.4.Latin America Weather Forecasting Services Market

9.4.1.Brazil Weather Forecasting Services Market

9.4.2.Mexico Weather Forecasting Services Market

9.4.3.Rest of Latin America Weather Forecasting Services Market

9.5.Middle East & Africa Weather Forecasting Services Market

9.5.1.Saudi Arabia Weather Forecasting Services Market

9.5.2.South Africa Weather Forecasting Services Market

9.5.3.Rest of Middle East & Africa Weather Forecasting Services Market

CHAPTER 10.COMPETITIVE INTELLIGENCE

10.1.Key Company SWOT Analysis

10.1.1.IBM Corporation

10.1.2.AccuWeather Inc.

10.1.3.The Weather Company (An IBM Business)

10.2.Top Market Strategies

10.3.Company Profiles

10.3.1.IBM Corporation

10.3.1.1.Key Information

10.3.1.2.Overview

10.3.1.3.Financial (Subject to Data Availability)

10.3.1.4.Product Summary

10.3.1.5.Market Strategies

10.3.2.AccuWeather Inc.

10.3.3.The Weather Company (An IBM Business)

10.3.4.DTN LLC

10.3.5.The Climate Corporation

10.3.6.StormGeo

10.3.7.Vaisala

10.3.8.Fugro

10.3.9.Global Weather Corporation

10.3.10.Weathernews Inc.

10.3.11.Skymet Weather Services

10.3.12.MeteoGroup

10.3.13.Earth Networks

10.3.14.ENAV S.p.A

10.3.15.Spire Global Inc.

CHAPTER 11.RESEARCH PROCESS

11.1.Research Process

11.1.1.Data Mining

11.1.2.Analysis

11.1.3.Market Estimation

11.1.4.Validation

11.1.5.Publishing
11.2.Research Attributes

I would like to order

Product name: Global Weather Forecasting Services Market to Reach USD 3.86 Billion by 2032

Product link: <https://marketpublishers.com/r/G5A98E623E03EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5A98E623E03EN.html>