

Weather Forecasting Systems Market by Vertical (Agriculture, Aviation, Transportation & Logistics, Oil & Gas, Marine, Renewable Energy, Meteorology, Weather Service Providers), Application, Solution, Forecast Type and Region - Forecast to 2026

<https://marketpublishers.com/r/W3F3D359779EN.html>

Date: January 2022

Pages: 244

Price: US\$ 4,950.00 (Single User License)

ID: W3F3D359779EN

Abstracts

The Weather Forecasting Systems Market is projected to grow from USD 2.7 billion in 2021 to USD 3.5 billion by 2026, at a CAGR of 5.1% in terms of value during the forecasted period. The market exhibits lucrative growth potential during the forecast period primarily due to the increasing demand for weather monitoring systems by end-user industries to align their business activities as per the changes in prevalent weather conditions. The market is also driven by the enhanced need for weather monitoring to support disaster management at a local, regional, and global level.

The Weather Forecasting Systems Market is dominated by a handful of established players, mainly due to the high technical expertise required to design the necessary equipment that are integrated into weather stations. The key players in the market include The Weather Company, Vaisala Oyj, DTN, AccuWeather Inc., and StormGeo. These players have spread their business across various countries includes North America, Europe, Asia Pacific, Middle East & Africa, and Latin America. The COVID-19 pandemic has deleteriously impacted the Weather Forecasting systems market. The short-term outlook for the Weather Forecasting systems market is ultimately dependent on the quick response of the governments to contain the COVID-19 outbreak, the effectiveness of their efforts, and the lingering impact of the ongoing pandemic on the global economic activity.

Based on application, the weather satellites segment is estimated to account for the largest market share from 2021 to 2026.

Based on application, the weather satellites segment is estimated to lead the Weather Forecasting systems market from 2021 to 2026 and is projected to grow further due to the increasing need for earth monitoring and weather observing systems to measure, monitor, and provide valuable inputs on several climatic parameters.

Based on forecast type, the short-range segment is projected to grow at the highest CAGR during the forecast period.

Short-term Weather Forecasting method provides information on the upcoming weather where the projection time ranges from few hours to 48 hours or in some cases up to 72 hours. A short-range forecast is based on weather charts, maps, satellite images, weather balloons and ground-based information. The information provided is not only used for weather prediction, but it also serves in other applications like aviation, ship routing, etc. Hence, the increasing demand for weather forecasts by fisheries and transportation sectors is anticipated to drive the growth of the short-range segment of the Weather Forecasting systems market from 2021 to 2026.

Based on vertical, the others segment is estimated to exhibit the fastest growth in the Weather Forecasting systems market from 2021 to 2026

Based on vertical, the others segment is expected to witness the fastest growth during the forecast period. 2021 to 2026. The requirement of Weather Forecasting systems in media and telecommunications, sports complexes, and other private enterprises are driving the growth of Weather Forecasting systems market.

The Asia Pacific market estimated to lead the Weather Forecasting Systems market in the forecast period

Based on region, Asia Pacific is expected to lead the Weather Forecasting systems market from 2021 to 2026. The growth of the Asia Pacific Weather Forecasting Systems market is primarily driven by increasing focus on increasing investments in Weather Forecasting Systems technologies by countries in this region Besides, the regional economies have undertaken several projects related to sustainable and renewable energy generation to protect the environment and avoid energy crises in the future. Since most renewable energy sources are vulnerable to weather fluctuations, the need to maximize energy output necessitates the adoption of sophisticated weather monitoring and forecasting systems to ensure optimal output, thereby driving the Weather Forecasting systems market in the region.

The break-up of the profiles of primary participants in the Weather Forecasting systems market is as follows:

By Company Type: Tier 1 - 35%; Tier 2 - 45%; and Tier 3 - 20%

By Designation: C Level Executives - 35%; Directors - 25%; and Others 40%

By Region: North America - 30%; Europe - 20%; Asia Pacific - 25%, Middle East & Africa – 15%, Latin America - 10%

Major players in the Weather Forecasting Systems market are The Weather Company (US), Vaisala OYJ (Finland), AccuWeather Inc. (US), StormGeo (Norway), Sutron Corporation (US), Campbell Scientific (US), Airmar Technology Corporation (US), All Weather, Inc. (US), G. Lufft Mess-und Regeltechnik (Germany), and Skye Instruments (UK).

Research Coverage

This market study covers the Weather Forecasting Systems market across various segments and subsegments. It aims at estimating the size and growth potential of this market across different segments based on vertical, application, solution, forecast type and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

Reasons to Buy this Report

This report is expected to help market leaders/new entrants by providing them the closest approximations of the revenue numbers for the overall Weather Forecasting Systems market and its segments. This study is also expected to provide region-wise information about the applications wherein Weather Forecasting Systems solutions are used. It also aims at helping the stakeholders understand the competitive landscape of the market, gain insights to improve the position of their businesses and plan suitable go-to-market strategies. This report is also expected to help them understand the pulse of the market and provide them with information on key drivers, restraints, challenges, and opportunities influencing the growth of the Weather Forecasting Systems market.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on Weather Forecasting Systems products/ solutions offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the Weather Forecasting Systems market

Market Development: Comprehensive information about lucrative markets – the report analyses the Weather Forecasting Systems market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the Weather Forecasting Systems market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the Weather Forecasting Systems market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 STUDY SCOPE

FIGURE 1 WEATHER FORECASTING SYSTEMS MARKET SEGMENTATION

1.2.2 REGIONAL SCOPE

1.2.3 YEARS CONSIDERED

1.3 CURRENCY & PRICING

1.3.1 USD EXCHANGE RATES

1.4 INCLUSIONS AND EXCLUSIONS

1.5 LIMITATIONS

1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 REPORT PROCESS FLOW

FIGURE 3 WEATHER FORECASTING SYSTEMS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Key primary respondents

2.1.2.3 Breakdown of primaries

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.1.2.4 Key insights from primary respondents

2.2 FACTOR ANALYSIS

2.2.1 INTRODUCTION

2.2.2 DEMAND-SIDE ANALYSIS

2.2.2.1 Increasing international trade

2.2.3 SUPPLY-SIDE ANALYSIS

2.2.3.1 Advancements in weather forecasting technologies

2.3 MARKET SIZE ESTIMATION

2.4 RESEARCH APPROACH & METHODOLOGY

2.4.1 APPROACH FOR GLOBAL MARKET NUMBERS

2.4.1.1 Weather Forecasting Systems Market Approach

2.4.1.2 Weather Forecasting Solutions Market Approach

2.4.2 BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.4.3 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.4.3.1 COVID-19 impact on weather forecasting systems market

2.5 DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

2.6 ASSUMPTIONS

2.7 LIMITATIONS/GREY AREAS

2.8 RISK ANALYSIS

3 EXECUTIVE SUMMARY

FIGURE 8 HARDWARE SEGMENT TO DOMINATE WEATHER FORECASTING SYSTEMS MARKET IN 2021

FIGURE 9 WEATHER SATELLITES PROJECTED TO LEAD AMONG WEATHER FORECASTING APPLICATIONS FROM 2021 TO 2026

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN WEATHER FORECASTING SYSTEMS MARKET FROM 2021 TO 2026

FIGURE 10 GROWING DEMAND FOR ACCURATE MONITORING AND ANALYSIS DRIVES WEATHER FORECASTING SYSTEMS MARKET

4.2 WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE

FIGURE 11 WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE, 2021 TO 2026

4.3 WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL

FIGURE 12 METEOROLOGY EXPECTED TO LEAD WEATHER FORECASTING SYSTEMS MARKET

4.4 WEATHER FORECASTING SYSTEMS MARKET, BY REGION

FIGURE 13 EUROPE TO COMMAND LARGEST SHARE OF WEATHER FORECASTING SYSTEMS MARKET IN 2021

4.5 WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY

FIGURE 14 INDIA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 15 WEATHER FORECASTING SYSTEMS MARKET: DRIVERS, OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Climate change patterns resulting in uncertainties related to rainfall

FIGURE 16 GLOBAL TEMPERATURE CHANGES FROM 1900 TO 2021

5.2.1.2 Need for continuous weather monitoring to enable disaster management

5.2.1.3 Upsurge in production of renewable energy

FIGURE 17 RENEWABLE ENERGY CAPACITY, BY ENERGY SOURCE

TABLE 1 RENEWABLE ENERGY CAPACITY, BY REGION

5.2.2 RESTRAINTS

5.2.2.1 Dynamic nature of atmospheric variables

5.2.2.2 Complexity of weather forecasting models

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing computing capabilities of supercomputers for weather forecasting

5.2.3.2 Enhancing accuracy of long-range weather forecasting

5.2.3.3 Incorporation of high-end radar and small satellites in weather monitoring

5.2.3.4 Increasing use of big data analytics in weather forecasting

5.2.4 CHALLENGES

5.2.4.1 Lack of effective automation

5.2.4.2 Occurrence of false weather alarms

5.2.4.3 Significant capital investment requirement

5.3 RANGES AND SCENARIOS

FIGURE 18 IMPACT OF COVID-19 ON THE MARKET: GLOBAL SCENARIOS

5.4 IMPACT OF COVID-19 ON WEATHER FORECASTING SYSTEMS MARKET

FIGURE 19 IMPACT OF COVID-19 ON WEATHER FORECASTING SYSTEMS MARKET

5.4.1 DEMAND-SIDE IMPACT

5.4.1.1 Key developments from January 2020 to November 2021

TABLE 2 KEY DEVELOPMENTS IN WEATHER FORECASTING SYSTEMS MARKET

2020-2021

5.4.2 SUPPLY-SIDE IMPACT

5.4.2.1 Key developments from January 2020 to November 2021

TABLE 3 KEY DEVELOPMENTS IN WEATHER FORECASTING SYSTEMS MARKET JANUARY 2020 TO NOVEMBER 2021

5.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

5.5.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR WEATHER FORECASTING SYSTEMS

FIGURE 20 REVENUE SHIFT IN WEATHER FORECASTING SYSTEMS MARKET

5.6 AVERAGE SELLING PRICE ANALYSIS OF WEATHER FORECASTING SYSTEMS, 2020

TABLE 4 AVERAGE SELLING PRICE ANALYSIS OF WEATHER FORECASTING SYSTEMS AND SUBSYSTEMS IN 2020

5.7 OPERATIONAL DATA

TABLE 5 SATELLITES LAUNCHED FOR WEATHER FORECASTING AND EARTH OBSERVATION PURPOSES DURING 2020-2021

5.8 WEATHER FORECASTING SYSTEMS MARKET ECOSYSTEM

5.8.1 PROMINENT COMPANIES

5.8.2 PRIVATE AND SMALL ENTERPRISES

5.8.3 END USERS

FIGURE 21 WEATHER FORECASTING SYSTEMS MARKET ECOSYSTEM MAP

TABLE 6 WEATHER FORECASTING SYSTEMS MARKET ECOSYSTEM

5.9 TECHNOLOGY ANALYSIS

5.9.1 DUAL POLARIZATION RADAR

5.9.2 ADVANCED SATELLITES

5.10 USE CASE ANALYSIS

5.10.1 AUTOMATED WEATHER ANALYSIS USING IMAGE RECOGNITION

5.10.2 IBM GLOBAL HIGH-RESOLUTION ATMOSPHERIC FORECASTING SYSTEM (GRAF)

5.10.3 IN-CLOUD WEATHER FORECASTING

5.11 VALUE CHAIN ANALYSIS OF WEATHER FORECASTING SYSTEMS MARKET

FIGURE 22 VALUE CHAIN ANALYSIS

5.12 PORTER'S FIVE FORCES ANALYSIS

TABLE 7 WEATHER FORECASTING SYSTEMS MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 23 KEY WEATHER FORECASTING SYSTEM MARKET: PORTER'S FIVE FORCE ANALYSIS

5.12.1 THREAT OF NEW ENTRANTS

5.12.2 THREAT OF SUBSTITUTES

5.12.3 BARGAINING POWER OF SUPPLIERS

5.12.4 BARGAINING POWER OF BUYERS

5.12.5 INTENSITY OF COMPETITIVE RIVALRY

5.13 TARIFF AND REGULATORY LANDSCAPE

5.13.1 NORTH AMERICA

5.13.2 EUROPE

5.14 TRADE ANALYSIS

TABLE 8 COUNTRY-WISE EXPORTS, 2019-2020 (USD THOUSAND)

TABLE 9 COUNTRY-WISE IMPORTS, 2019-2020 (USD THOUSAND)

TABLE 10 THERMOMETERS, PYROMETERS NOT COMBINED WITH OTHER INSTRUMENTS ,COUNTRY-WISE EXPORTS, 2019-2020 (USD THOUSAND)

TABLE 11 THERMOMETERS, PYROMETERS NOT COMBINED WITH OTHER INSTRUMENTS, COUNTRY-WISE IMPORTS, 2019-2020 (USD THOUSAND)

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 TECHNOLOGY TRENDS

6.2.1 SUPERCOMPUTERS

6.2.2 COMPUTER MODELS WITH FAST PROCESSORS

6.2.3 EMERGENCE OF NEXT-GENERATION RADAR TECHNOLOGY

6.2.4 BIG WEATHER DATA ANALYSIS

6.2.4.1 Hadoop and MapReduce

6.2.5 INTELLIGENT WEATHER PREDICTING MODULES

6.3 SUPPLY CHAIN ANALYSIS

FIGURE 24 SUPPLY CHAIN ANALYSIS

6.4 IMPACT OF MEGATRENDS

6.4.1 AUTOMATION

6.4.2 BIG DATA, INTERNET OF THINGS (IOT), AND ARTIFICIAL INTELLIGENCE

6.4.3 DIGITIZATION

6.5 INNOVATIONS AND PATENT REGISTRATIONS

TABLE 12 INNOVATION & PATENT REGISTRATIONS (2018-2021)

7 WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION

7.1 INTRODUCTION

FIGURE 25 HARDWARE SEGMENT TO DOMINATE WEATHER FORECASTING SYSTEMS MARKET FROM 2021 TO 2026

TABLE 13 WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

7.2 HARDWARE

TABLE 14 WEATHER FORECASTING HARDWARE SOLUTIONS MARKET, BY TYPE, 2018–2026 (USD MILLION)

7.2.1 BAROMETERS

7.2.1.1 Need for continuous monitoring of atmospheric pressure drives barometers segment

7.2.2 ANEMOMETERS

7.2.2.1 Need for accuracy in measuring speed of airflow fuels anemometers segment
TABLE 15 ANEMOMETERS: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

7.2.3 HYGROMETERS

7.2.3.1 Improved accuracy of forecasts boosts demand for hygrometers

7.2.4 RAIN GAUGES

7.2.4.1 Need for measurement of precipitation expected to boost rain gauges market

7.2.5 THERMOMETERS

7.2.5.1 Different thermometers used for different purposes at weather stations

7.2.6 COMMUNICATION & DATA LOGGERS

7.2.6.1 Need for detailed weather information of specific areas boosts communication & data loggers demand

7.2.7 SOUNDING SYSTEMS & RADIOSONDES

7.2.7.1 High frequency of launching radiosondes drives growth of segment

7.2.8 SATELLITE SENSORS

7.2.8.1 Need for high-resolution images drives satellite sensors segment

7.2.9 OTHERS

7.2.9.1 Demand for measurement of wind direction & cloud base heights boosts demand for windvanes and ceilometers

7.3 SOFTWARE

TABLE 16 WEATHER FORECASTING SOFTWARE SOLUTIONS MARKET, BY TYPE, 2018–2026 (USD MILLION)

7.3.1 DATA COLLECTION & PROCESSING SOFTWARE

7.3.1.1 Use of data collection & processing software to plan energy requirements in extreme conditions drives growth

7.3.2 WEATHER MONITORING & DISPLAY SOFTWARE

7.3.2.1 Provision of real-time updates of extreme conditions drives weather monitoring & display software segment

7.3.3 SUPERCOMPUTING

7.3.3.1 Supercomputers enable collection and storage of all weather data

7.3.4 BIG DATA ANALYTICS

7.3.4.1 Need for in-depth detailed analytics fuels big data analytics segment

7.3.5 OTHERS

7.3.5.1 Need for a robust method to predict and analyze weather data sets drives use of AI, ML, and time series

8 WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 26 WEATHER SATELLITES TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 17 WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

8.2 WEATHER SATELLITES

8.2.1 WEATHER SATELLITES PIVOTAL TO FUNCTIONING OF METEOROLOGISTS

8.3 WEATHER OBSERVING SYSTEMS

8.3.1 AUTOMATED WEATHER OBSERVING SYSTEMS PLAY MAJOR ROLE IN SMOOTH FLIGHT OPERATION

8.4 WEATHER STATIONS

8.4.1 AUTOMATIC WEATHER STATIONS ENABLE MEASUREMENTS FROM REMOTE AREAS

8.5 WEATHER DRONES

8.5.1 DRONE TECHNOLOGY – MAJOR ADVANCEMENT IN WEATHER FORECASTING METHODOLOGY

8.6 WEATHER RADAR

8.6.1 TRANSMISSION OF DATA TO SUPERCOMPUTERS FOR ANALYSIS AND FORECASTING FUELS WEATHER RADAR SEGMENT

8.7 WEATHER LIDAR

8.7.1 CONTINUOUS OBSERVATION OF PBL DRIVES LIDAR SEGMENT

8.8 OTHERS

8.8.1 NEED TO MONITOR INDOOR AND OUTDOOR WEATHER CONDITIONS BOOSTS DEMAND FOR DIGITAL WEATHER STATIONS AND DRIFTING BUOYS

9 WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL

9.1 INTRODUCTION

FIGURE 27 METEOROLOGY SEGMENT TO LEAD WEATHER FORECASTING SYSTEMS MARKET FROM 2021 TO 2026

TABLE 18 WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

9.2 AGRICULTURE

9.2.1 NEED TO PLAN OPTIMAL DEVELOPMENT AND YIELD OF CROPS DRIVES AGRICULTURE SEGMENT

9.3 AVIATION

9.3.1 NEED TO ENSURE SAFETY OF AIR PASSENGERS AND FLIGHT CREW
BOOSTS AVIATION SEGMENT

9.4 TRANSPORTATION & LOGISTICS

9.4.1 NEED FOR SMOOTH AND ON-TIME TRANSPORTATION & LOGISTICS
BOOSTS SEGMENT

9.5 OIL & GAS

9.5.1 ASSISTANCE IN PLANNING DEPLOYMENT OF EQUIPMENT, OFFSHORE
DRILLING, AND ROUTE PLANNING BOOSTS OIL & GAS SEGMENT

9.6 MARINE

9.6.1 DEMAND FROM MARINE SEGMENT DRIVEN BY NEED TO ANALYZE
WEATHER CONDITIONS TO SAFEGUARD CREWS OF VESSELS

9.7 RENEWABLE ENERGY

9.7.1 HIGH DEPENDENCE OF RENEWABLE SOURCES ON WEATHER
CONDITIONS DRIVES SEGMENT

9.8 MILITARY

9.8.1 NEED TO ENSURE OPERATIONAL EFFICACY EXPECTED TO DRIVE
SEGMENT GROWTH

9.9 METEOROLOGY

9.9.1 IMPORTANCE IN AIR TRAFFIC MANAGEMENT SERVICES DRIVES
METEOROLOGY SEGMENT

9.10 WEATHER SERVICE PROVIDERS

9.10.1 DEMAND FOR ACCURATE AND REAL-TIME WEATHER INFORMATION
FUELS SEGMENT

9.11 OTHERS

9.11.1 NEED FOR EFFECTIVE PLANNING AND DECISION-MAKING FUELS
GROWTH IN OTHER VERTICALS

10 WEATHER FORECASTING SERVICES MARKET, BY FORECAST TYPE

10.1 INTRODUCTION

TABLE 20 WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE,
2018–2026 (USD MILLION)

10.2 NOWCAST

10.2.1 ACCURATE PREDICTION OF WEATHER CONDITIONS ~6 HOURS IN
ADVANCE DRIVES NOWCAST SEGMENT

10.3 SHORT RANGE

10.3.1 DEMAND FROM FISHERIES AND TRANSPORTATION TO BOOST SHORT
RANGE SEGMENT

10.4 MEDIUM RANGE

10.4.1 REQUIREMENT FOR MEDIUM-RANGE FORECAST IN AGRICULTURAL INDUSTRY FUELS MEDIUM RANGE SEGMENT

10.5 EXTENDED RANGE

10.5.1 DEMAND FROM RESOURCE MANAGEMENT AND CITY PLANNING SECTORS BOOSTS EXTENDED RANGE SEGMENT

10.6 LONG RANGE

10.6.1 INCREASING DEMAND FROM INDUSTRIES DIRECTLY IMPACTED BY IT DRIVES LONG RANGE SEGMENT

11 REGIONAL ANALYSIS

11.1 INTRODUCTION

FIGURE 29 EUROPE TO ACCOUNT FOR LARGEST SHARE OF WEATHER FORECASTING SYSTEMS MARKET IN 2021

TABLE 21 WEATHER FORECASTING SYSTEMS MARKET, BY REGION, 2018–2026 (USD MILLION)

11.2 NORTH AMERICA

11.2.1 COVID-19 IMPACT ON NORTH AMERICA

11.2.2 PESTLE ANALYSIS: NORTH AMERICA

TABLE 22 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 23 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 24 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 25 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE, 2018–2026 (USD MILLION)

TABLE 26 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY, 2018–2026 (USD MILLION)

FIGURE 30 NORTH AMERICA: WEATHER FORECASTING SYSTEMS MARKET SNAPSHOT

11.2.3 US

11.2.3.1 Upgradation of weather forecasting systems at airports drives US market
TABLE 27 US: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 28 US: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 29 US: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 30 US: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

11.2.4 CANADA

11.2.4.1 Major radio and TV companies such as Rogers Media drive Canadian market

TABLE 31 CANADA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 32 CANADA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 33 CANADA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3 EUROPE

11.3.1 COVID-19 IMPACT ON EUROPE

11.3.2 PESTLE ANALYSIS: EUROPE

TABLE 34 EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 35 EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 36 EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 37 EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE, 2018–2026 (USD MILLION)

TABLE 38 EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY, 2018–2026 (USD MILLION)

FIGURE 31 EUROPE: WEATHER FORECASTING SYSTEMS MARKET SNAPSHOT

11.3.3 UK

11.3.3.1 UK market driven by development of next-generation forecasting models

TABLE 39 UK: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 40 UK: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 41 UK: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3.4 GERMANY

11.3.4.1 Introduction of weather satellites for climate observation boosts German market

TABLE 42 GERMANY: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 43 GERMANY: WEATHER FORECASTING SYSTEMS MARKET, BY

VERTICAL, 2018–2026 (USD MILLION)

TABLE 44 GERMANY: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3.5 FRANCE

11.3.5.1 French market boosted by increasing investment in new and advanced weather forecasting systems

TABLE 45 FRANCE: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 46 FRANCE: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 47 FRANCE: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3.6 ITALY

11.3.6.1 Italy supports development of advanced weather prediction technologies

TABLE 48 ITALY: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 49 ITALY: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 50 ITALY: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3.7 RUSSIA

11.3.7.1 Russia - rapidly expanding meteorology techniques with hydrometeorology

TABLE 51 RUSSIA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 52 RUSSIA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 53 RUSSIA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.3.8 REST OF EUROPE

TABLE 54 REST OF EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 55 REST OF EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 56 REST OF EUROPE: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4 ASIA PACIFIC

11.4.1 COVID-19 IMPACT ON ASIA PACIFIC

11.4.2 PESTLE ANALYSIS: ASIA PACIFIC

TABLE 57 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY

SOLUTION, 2018–2026 (USD MILLION)

TABLE 58 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 59 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 60 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE, 2018–2026 (USD MILLION)

TABLE 61 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY, 2018–2026 (USD MILLION)

FIGURE 32 ASIA PACIFIC WEATHER FORECASTING SYSTEMS MARKET SNAPSHOT

11.4.3 CHINA

11.4.3.1 Advancements in conventional weather forecasting systems fuel China market

TABLE 62 CHINA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 63 CHINA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 64 CHINA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4.4 INDIA

11.4.4.1 Accurate predictions by high-performance computer systems propel Indian market

TABLE 65 INDIA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 66 INDIA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 67 INDIA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4.5 JAPAN

11.4.5.1 Increasing adoption of meteorological and hydrological services boosts Japan market

TABLE 68 JAPAN: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 69 JAPAN: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 70 JAPAN: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4.6 SOUTH KOREA

11.4.6.1 Government support for domestic production of satellite-based telemetry equipment to drive market growth in South Korea

TABLE 71 SOUTH KOREA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 72 SOUTH KOREA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 73 SOUTH KOREA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4.7 AUSTRALIA

11.4.7.1 Development of predictive ocean atmosphere model – key to market growth in Australia

TABLE 74 AUSTRALIA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 75 AUSTRALIA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 76 AUSTRALIA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.4.8 REST OF ASIA PACIFIC

TABLE 77 REST OF ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 78 REST OF ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 79 REST OF ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.5 MIDDLE EAST & AFRICA

11.5.1 COVID-19 IMPACT ON MIDDLE EAST & AFRICA

11.5.2 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

TABLE 80 MIDDLE EAST & AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 81 MIDDLE EAST & AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 82 MIDDLE EAST & AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 83 MIDDLE EAST & AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY, 2018–2026 (USD MILLION)

FIGURE 33 MIDDLE EAST & AFRICA: WEATHER FORECASTING SYSTEMS MARKET SNAPSHOT

11.5.3 ISRAEL

11.5.3.1 Israel witnessing increased adoption of advanced weather sensors for

meteorological operations

TABLE 85 ISRAEL: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 86 ISRAEL: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 87 ISRAEL: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.5.4 SAUDI ARABIA

11.5.4.1 Saudi market driven by development of advanced Weather Research and Forecasting modelling system

TABLE 88 SAUDI ARABIA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 89 SAUDI ARABIA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 90 SAUDI ARABIA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.5.5 TURKEY

11.5.5.1 Increasing demand from marine, renewable energy, and oil & gas companies – key driver in Turkey

TABLE 91 TURKEY: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 92 TURKEY: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 93 TURKEY: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.5.6 SOUTH AFRICA

11.5.6.1 Increasing demand for weather forecasting systems from local industries drives South African market

TABLE 94 SOUTH AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 95 SOUTH AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 96 SOUTH AFRICA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.5.7 REST OF MIDDLE EAST

TABLE 97 REST OF MIDDLE EAST: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 98 REST OF MIDDLE EAST: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 99 REST OF MIDDLE EAST: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.6 LATIN AMERICA

11.6.1 COVID-19 IMPACT ON LATIN AMERICA

11.6.2 PESTLE ANALYSIS: LATIN AMERICA

FIGURE 34 LATIN AMERICA WEATHER FORECASTING SYSTEMS MARKET SNAPSHOT

TABLE 100 LATIN AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 101 LATIN AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 102 LATIN AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

TABLE 103 ASIA PACIFIC: WEATHER FORECASTING SYSTEMS MARKET, BY FORECAST TYPE, 2018–2026 (USD MILLION)

TABLE 104 LATIN AMERICA: WEATHER FORECASTING SYSTEMS MARKET, BY COUNTRY, 2018–2026 (USD MILLION)

11.6.3 BRAZIL

11.6.3.1 Weather forecasting in Brazil to become more precise in coming years

TABLE 105 BRAZIL: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 106 BRAZIL: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 107 BRAZIL: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

11.6.4 MEXICO

11.6.4.1 Mexico rapidly expanding its forecasting capabilities to mitigate effects of natural disasters

TABLE 108 MEXICO: WEATHER FORECASTING SYSTEMS MARKET, BY SOLUTION, 2018–2026 (USD MILLION)

TABLE 109 MEXICO: WEATHER FORECASTING SYSTEMS MARKET, BY VERTICAL, 2018–2026 (USD MILLION)

TABLE 110 MEXICO: WEATHER FORECASTING SYSTEMS MARKET, BY APPLICATION, 2018–2026 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

TABLE 111 COMPETITIVE OVERVIEW

TABLE 112 KEY DEVELOPMENTS BY LEADING PLAYERS IN WEATHER FORECASTING SYSTEMS MARKET BETWEEN 2018 AND 2021

12.2 MARKET RANKING ANALYSIS OF KEY PLAYERS, 2020

FIGURE 35 REVENUE ANALYSIS FOR KEY COMPANIES IN LAST 5 YEARS

12.3 MARKET SHARE ANALYSIS

TABLE 113 WEATHER FORECASTING SYSTEMS MARKET: DEGREE OF COMPETITION

12.4 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 114 COMPANY PRODUCT FOOTPRINT

TABLE 115 COMPANY SOLUTION FOOTPRINT

TABLE 116 COMPANY APPLICATION FOOTPRINT

TABLE 117 COMPANY REGION FOOTPRINT

12.5 COMPANY EVALUATION QUADRANT

12.5.1 STAR

12.5.2 EMERGING LEADER

12.5.3 PERVASIVE

12.5.4 PARTICIPANT

FIGURE 36 WEATHER FORECASTING SYSTEMS MARKET (GLOBAL) COMPANY EVALUATION MATRIX, 2020

12.6 START-UP/SME EVALUATION QUADRANT

12.6.1 PROGRESSIVE COMPANY

12.6.2 RESPONSIVE COMPANY

12.6.3 STARTING BLOCK

12.6.4 DYNAMIC COMPANY

FIGURE 37 WEATHER FORECASTING SYSTEMS MARKET COMPETITIVE LEADERSHIP MAPPING, 2020 (START-UP/SME)

12.7 COMPETITIVE SCENARIO AND TRENDS

12.7.1 MARKET EVALUATION FRAMEWORK

12.7.2 NEW PRODUCT LAUNCHES AND DEVELOPMENTS

TABLE 118 NEW PRODUCT LAUNCHES AND DEVELOPMENTS, 2018-2021

12.7.3 DEALS

TABLE 119 WEATHER FORECASTING SYSTEMS MARKET: DEALS, 2018–2021

13 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, MnM View Right to win, Strategic choices made, Weaknesses and competitive threats) *

13.1 INTRODUCTION

13.2 KEY PLAYERS

13.2.1 THE WEATHER COMPANY
TABLE 120 THE WEATHER COMPANY: BUSINESS OVERVIEW
13.2.2 VAISALA OYJ
TABLE 121 VAISALA OYJ: BUSINESS OVERVIEW
FIGURE 38 VAISALA OYJ: COMPANY SNAPSHOT
13.2.3 ACCUWEATHER, INC.
TABLE 122 ACCUWEATHER, INC.: BUSINESS OVERVIEW
TABLE 123 ACCUWEATHER, INC.: PRODUCT LAUNCHES
TABLE 124 ACCUWEATHER, INC.: DEALS
13.2.4 DTN
TABLE 125 DTN: BUSINESS OVERVIEW
13.2.5 STORMGEO
TABLE 126 STORMGEO: BUSINESS OVERVIEW
13.2.6 METEOGROUP
TABLE 127 METEOGROUP: BUSINESS OVERVIEW
13.2.7 SUTRON CORPORATION
TABLE 128 SUTRON CORPORATION: BUSINESS OVERVIEW
13.2.8 CAMPBELL SCIENTIFIC
TABLE 129 CAMPBELL SCIENTIFIC: BUSINESS OVERVIEW
13.2.9 ALL WEATHER, INC
TABLE 130 ALL WEATHER, INC.: BUSINESS OVERVIEW
13.2.10 AIRMAR TECHNOLOGY CORPORATION
TABLE 131 AIRMAR TECHNOLOGY CORPORATION: BUSINESS OVERVIEW
13.2.11 MORCOM INTERNATIONAL
TABLE 132 MORCOM INTERNATIONAL: BUSINESS OVERVIEW
13.2.12 MET ONE INSTRUMENTS INC.
TABLE 133 MET ONE INSTRUMENTS INC.: BUSINESS OVERVIEW
13.2.13 G. LUFFT MESS-UND REGELTECHNIK GMBH
TABLE 134 G. LUFFT MESS-UND REGELTECHNIK GMBH: BUSINESS OVERVIEW
13.2.14 GILL INSTRUMENTS
TABLE 135 GILL INSTRUMENTS: BUSINESS OVERVIEW
13.2.15 CUSTOMWEATHER
TABLE 136 CUSTOMWEATHER: BUSINESS OVERVIEW
13.2.16 SPEEDWELL WEATHER
TABLE 137 SPEEDWELL WEATHER: BUSINESS OVERVIEW
13.2.17 HOSKIN SCIENTIFIC
TABLE 138 HOSKIN SCIENTIFIC: BUSINESS OVERVIEW
13.2.18 SKYE INSTRUMENTS
TABLE 139 SKYE INSTRUMENTS: BUSINESS OVERVIEW

13.2.19 DAVIS INSTRUMENTS

TABLE 140 DAVIS INSTRUMENTS: BUSINESS OVERVIEW

13.2.20 ENSCO

TABLE 141 ENSCO: BUSINESS OVERVIEW

13.2.21 WEATHER ROUTING, INC.

TABLE 142 WEATHER ROUTING, INC.: BUSINESS OVERVIEW

13.3 OTHER PLAYERS

13.3.1 UNDERSTORY

13.3.2 TEMPOQUEST

13.3.3 UMIBET GMBH

13.3.4 LIQUID ROBOTICS

13.3.5 SKYVIEW SYSTEMS LTD.

*Details on Business Overview, Products Offered, Recent Developments, MnM View, Right to win, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

14.3 AVAILABLE CUSTOMIZATIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

I would like to order

Product name: Weather Forecasting Systems Market by Vertical (Agriculture, Aviation, Transportation & Logistics, Oil & Gas, Marine, Renewable Energy, Meteorology, Weather Service Providers), Application, Solution, Forecast Type and Region - Forecast to 2026

Product link: <https://marketpublishers.com/r/W3F3D359779EN.html>

Price: US\$ 4,950.00 (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/W3F3D359779EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970