

AVIATION WEATHER SUPPORT & SERVICES

Increased operational awareness and contribution to sustainability through intelligent weather forecasting and risk communications.

YOUR PERSONALIZED AVIATION WEATHER PROVIDER

Supporting your operational decision making to ensure safety of flights, achieve operational efficiency and cost savings for all phases of flight. As your weather provider, we offer:



Custom solutions, tailored to your unique operation flow and weather related landing minimums and operational policies

Cost savings by decreasing the amount of printed paper, avoiding costly diversions, and saving on unnecessary extra fuel.

High expertise with over 13,000 flights supported and 350 airports worldwide monitored daily. We this we can support your operations team to ensure safety and efficiency.

30 Risk Communicators ready 24/7/365 to assist you with any weather-related needs & challenges.

CREATING VALUE AND INCREASED EFFICIENCY



Weathernews Inc. has **more than 30 years of experience** in supporting and servicing airlines. We are servicing customers in Star Alliance, SkyTeam, Oneworld, and Value Alliance. We understand that each airline is different and strive to learn each and every airlines weather-related needs and challenges to offer the best support and service. Our Risk Communicators are available to assist you in any weather-related needs and challenges. Our innovative aviation weather solutions are developed for dispatchers, flight operations staff, and pilots to increase their efficiency and awareness.

AVIATION SERVICES FOR ALL YOUR NEEDS

As your aviation weather provider, we commit to support your operations team to achieve maximum efficiency and help increase awareness. We can support you in all phases of the flight and with our proprietary infrastructure we are able to provide support in areas where there are no or scarce weather information. Our wide range of aviation services include:



GO OR NO-GO DECISION SUPPORT

Weathernews provides decision support to flight dispatch when making a flight plan. Weathernews GONG service provides weather forecasts for the destination airport in consideration of your weather-specific landing minimums. Our Terminal Safety and Scheduling (TSS) scale supports you with a color-coded index to increase your productivity and decision making. Additionally, this service provides you access to weather briefings by Weathernews's own certified Risk Communicators.



PILOT BRIEFING SUPPORT

Create the required weather briefing documents for departure, en-route, and destination through our web-based tool. Thereby, reduce printing costs by briefing pilots and related crew via browser, and reduce time spent finding the relevant papers by creating customized documents that meet the requirements of each and every flight. Overlay flight routes with Weathernews's own proprietary forecast data as well as governmental.



EN-ROUTE OPTIMIZATION SUPPORT

If severe weather conditions are expected along the route, EOS contents will alert and provide support to determine the optimum route to flight dispatch. Weathernews's own developed Airway Safety and Comfort (ASC) scale displays current meteorological en-route weather conditions including Turbulence, Icing, and Convection. Choose different Flight Levels and with a three-rank color code instantly increase your productivity. Weathernews's EOS also incorporates the latest reported PIREP and model output into the ASC scale.



FLIGHT WATCH

Weathernews has developed a flight monitoring solution that meets ICAO 4D15 and 4D1 regulations using Weathernews's own proprietary weather data and governmental weather data. Set specific weather alert functions based on your specific threshold and alert function for every flight. Monitor the aircraft performance and view the flight route in a cross-section with live information and weather conditions in different flight levels.



FOSTER-EFB

Weathernews's EFB is a browser-based application that offers the same content on the iPad as the Pilot Briefing Support. Overlaid with various weather observations and forecast data you will be able to see various weather information and avoid dangerous areas. You are able to see the flight plan in a vertical cross-section with weather overlay in different flight levels.



AIRSPACE CRITICAL OPERATIONS SUPPORT

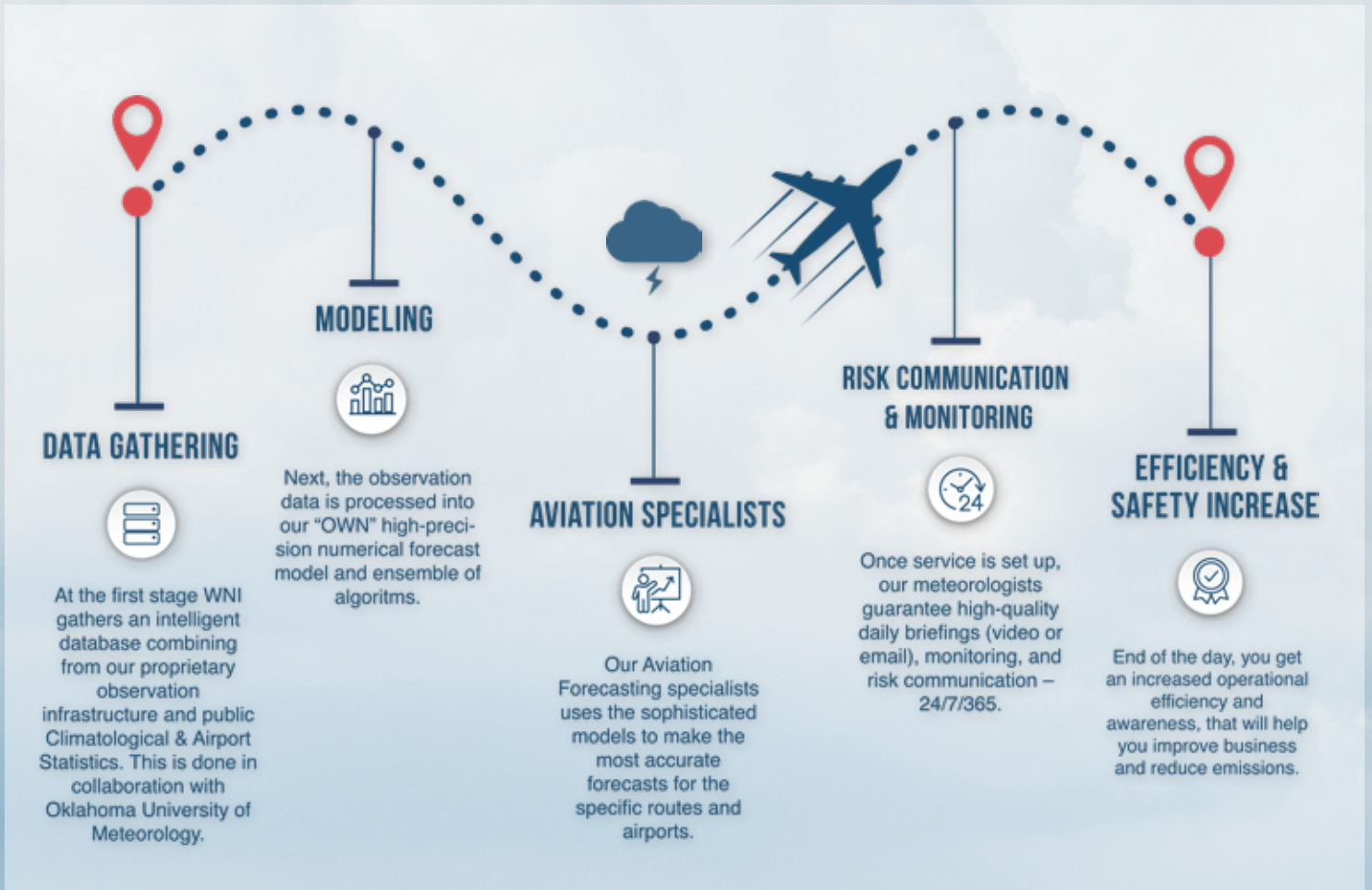
Weathernews analyzes and monitors volcanoes around the world in order to support airlines for a safer and smoother flight. We are constantly monitoring volcanoes using cameras, radars we are able to detect volcanic ash earlier and help you avoid dangerous situations. We analyze not only the height of the plume, but also the characteristics.



FLIGHT OPERATION CONTROL SUPPORT

Weathernews issues Tropical Storm, Tropical Depression, Typhoons and Hurricanes warnings for target airports. This content is issued 3-4 days in advance to support IROPS contingency plan. You can access the content via a web browser as well as get an email with necessary information from our operations team.

THE FLIGHT PLAN TO EFFICIENCY



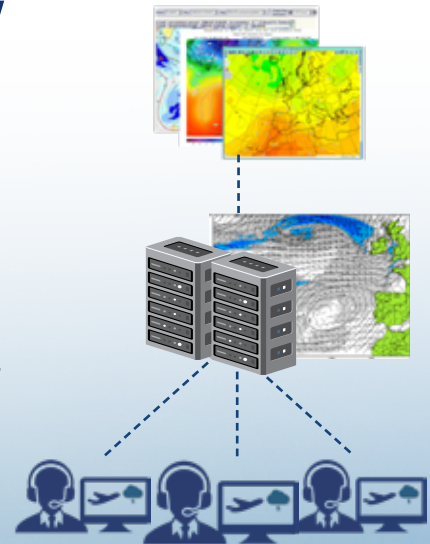
A WEATHER PARTNER THAT FLIES ABOVE COMPETITION

With more than 30 years of experience in the aviation industry, we have developed services that utilize a range of powerful technologies and meteorological experts to support each airline and their weather related needs and challenges. Our experts are available 24/7 to provide support and consultation.

OUR STATE-OF-THE-ART FORECASTING TECHNOLOGY

Weathernews has access to one the world's largest databases of weather, maritime conditions and geological phenomenon. In addition to access to various models worldwide, Weathernews has also developed its own proprietary model in collaboration with Oklahoma University.

Weathernews also employs its own analysis system called COMPASS to generate forecasts tailored to customer requirements. Highlights include a built-in statistics filter that corrects statistical errors that occur between the predicted data and observations, and an AI filter that systematizes the experience of senior forecasters achieving further improvement in the predicted data.



CLOSING THE GAPS: OBSERVATION TECH & INFRASTRUCTURE

In the situation that one or more of the requested airports are outside coverage of existing data models, Weathernews is able to close the data gap by deploying our proprietary observation technology and infrastructure on-site within a short time period. In other words: world-wide coverage!



AIRCRAFT OBSERVATIONS

Using weather data in aircraft observations to verify our model output to enhance forecast accuracy.



LIVE CAMERAS

On-site deployment to support airport forecasts and volcanic ash cloud prediction (900 already installed worldwide).



GROUND SENSORS & RADARS

Deploying proprietary Doppler radars or weather sensors (Over 80 deployed in Japan, expanding in Asia.)

WHO WE ARE

Weathernews Inc. is the biggest private global provider of weather intelligence and weather services, with a strong information technology orientation. Since its establishment in 1986, Weathernews Inc. has developed and maintained long-term, reliable relationships and cooperation with global companies and government institutions and currently provides weather related solutions in over 44 different industries on land, sea and air.

Over 1000 employees around the world are dedicated to improving people's safety and to improving efficiency and environmental footprint of businesses. Our operation centers in Tokyo, Oklahoma, Amsterdam, Paris, and Copenhagen support our partners and customers with 24/7/365 - cause weather never sleeps! The quality of our intelligence is constantly improved by our proprietary data flows and AI-powered innovation. Strong observational infrastructure with the latest technology, including the operation of our own two satellites. This allows us to set new trends in global weather intelligence technology.

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Strategic
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