



The Weather Company

Situational awareness, mission planning, and operations

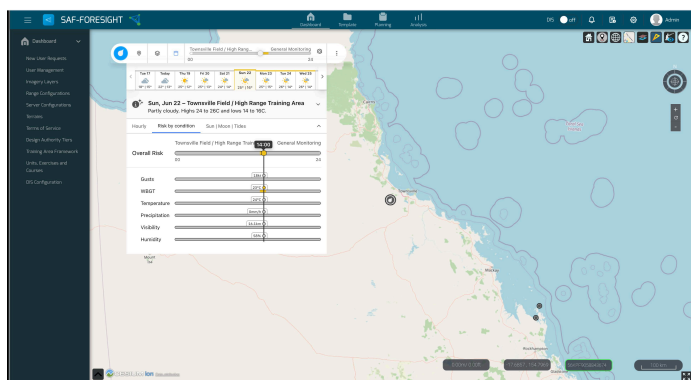
The challenge

The weather significantly impacts government and defense operations, objectives and processes. Even small changes in weather can dramatically influence a drone's performance, the speed of ground operations, and the viability of critical infrastructure.

As weather conditions become more extreme and strategies increasingly rely on autonomous vehicles like drones, which are more vulnerable to weather, decision-makers must carefully consider the impact of weather on their operations.

This process typically demands the careful selection of optimal weather data sources and parameters for conducting thorough analysis as well as a deep understanding of weather science to interpret the data accurately.

The Weather Company solution streamlines this task by pinpointing and drawing your attention to potential uncertainties that require your consideration, so you can attempt to make faster decisions than your adversaries.



Plug-in for SAF-Foresight UI example

Key benefits

- **High-resolution weather data** from the world's most accurate forecaster*.
- **Customized map visualizations** to recognize the impact of weather on operations.
- **Automatic surfacing of weather alerts** to inform personnel on how weather conditions might impact objectives, alleviating the need for constant meteorologist oversight.
- **Probabilistic forecasts** to enable the analysis of second and third most-likely weather scenarios.
- **Weather window** to determine the next available time frame to complete your objective when impactful weather is in the forecast.

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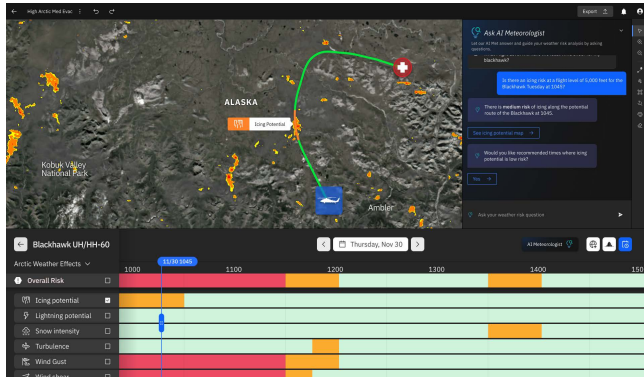
This solution monitors the forecast for locations, operations, and missions to help personnel improve decisions by better assessing the weather's impact on planning and critical logistical processes anywhere in the world.

It also provides high-resolution, highly accurate global forecast data in an intuitive analytics platform to identify how the weather will affect various aspects of government and defense operations, including land, sea, air, space, and cyberspace.

Monitor the weather for each location and mission using our proprietary condition manager with sophisticated triggers to alert you when weather could influence current or future plans. These triggers are designed to be user-friendly and can be set up even by non-weather personnel.

Storms don't kill missions. Poor planning does.

This solution combines data from The Weather Company with information from third parties, including non-weather data, to provide customized map visualizations of weather's current or future impact on missions. These visualizations can be incorporated into your planning and simulation processes to increase accuracy and improve outcomes.



Hosted UI example

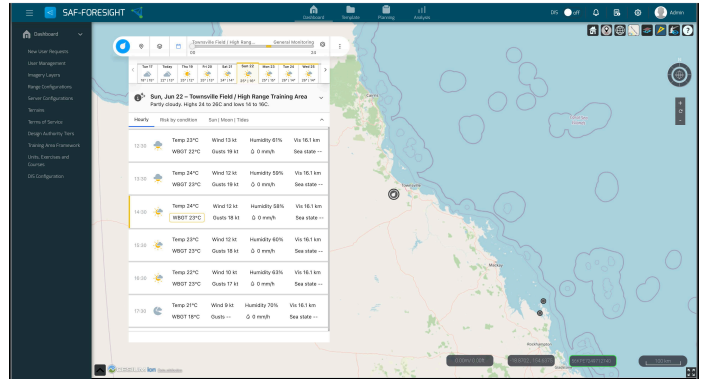
This solution uses near real-time weather data and triggers that can be configured to align with your operations and assets, such as defining thresholds for conditions like lightning, wind or precipitation. When your thresholds are met, triggers automatically alert decision-makers to support up-to-the-minute awareness alleviating the need to monitor day-to-day or hour-to-hour activity.

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ITAR Status: ITAR Free

*ForecastWatch, Global and Regional Weather Forecast Accuracy Overview, 2017-2024, commissioned by The Weather Company

Rather than comparing analytics from multiple systems, this solution can be used as a standalone solution (hosted) or integrated into your existing workflows and geospatial environment (a plug-in) to help save time and reduce errors. Supported integrations include Mapbox and Cesium.

The map-based weather planning capabilities are powered by Pangea, The Weather Company's weather map framework, and designed to offer a near real-time advantage that even non-meteorologists can easily understand.



Plug-in UI example

Command the weather. Command the mission.

Contact us today at weathercompany.com/contact/defense to learn more.

Learn more



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