

Weatherverse from The Weather Company

The challenge

Weather can significantly impact military operations. Even slight variations in conditions can drastically increase costs, damage equipment, and endanger lives if personnel are not prepared.

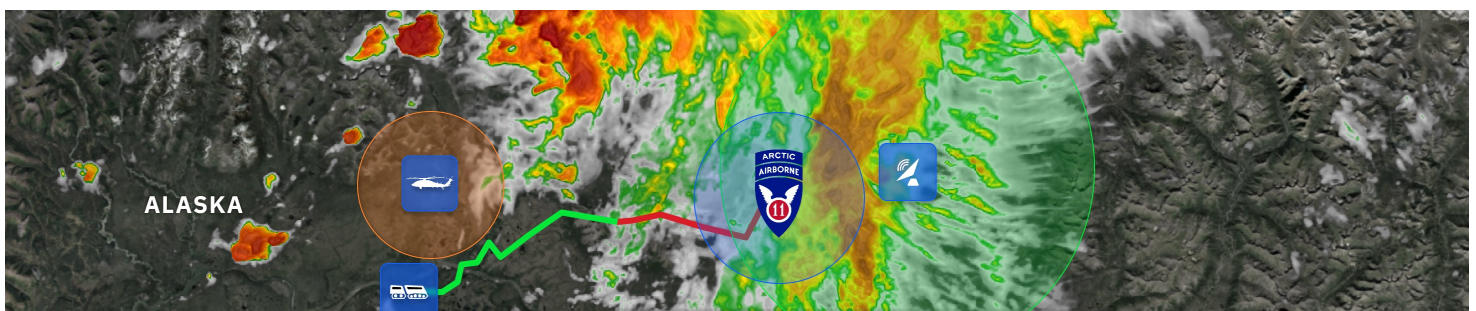
But planners and decision-makers face several challenges when accounting for the weather. The forecast data in decision-support tools is often inaccurate or unrealistic, making it difficult to determine the real impact weather could have on operations.

Further, many of these tools cannot integrate with existing simulation tools or allow users to record, playback, and adjust climate conditions, limiting their ability to see the complete picture. If conditions change quickly, these solutions may not notify personnel fast enough to make crucial adjustments.

To improve training and increase operational success, military planning personnel need more accurate and integrated weather tools that support planning for various scenarios and provide automated alerts when the forecast changes.

Key benefits

- **Increase mission success** by integrating highly accurate, high-resolution current and future global forecast data into simulations to better assess and prepare for the likely impact of weather on operations.
- **Reduce loss** of equipment, sustainment costs, and lives by allowing “what-if” analysis that simulates various weather scenarios units might face on a mission.
- **Stay updated on changing conditions** with automated near-real time weather triggers that align with your operations and raise alerts when conditions that may impact the mission occur.
- **Enhance future training and planning** by allowing users to record, edit, and review different simulations so personnel can make adjustments that will improve outcomes.



The Weather Company

Weather modeling and weather simulation solutions from The Weather Company can help defense personnel turn weather into a powerful ally by combining highly accurate forecast data with AI technology.

These solutions use the latest atmospheric forecasting models, including The Weather Company's proprietary global high-resolution atmospheric forecasting model (GRAF), and are designed to increase mission success, reduce sustainment costs, and protect lives with accessible, accurate, and actionable weather insights.

Superior weather intelligence

Weathervers Planner helps military personnel make better decisions by assessing weather's impact on operations.

The solution provides highly accurate global forecast data and customized weather map visualizations of the forecast's current or future effect on objectives. Users can also set up sophisticated near-real time weather triggers that automatically alert decision-makers when certain conditions occur, such as lightning, wind, or precipitation. These triggers are designed to be used even by non-meteorologists.

Weathervers Planner combines data from The Weather Company with information from third parties, including non-weather data, to provide customized visualizations of weather's impact on various aspects of military operations, including artillery, aviation, communications, infantry, armor, air defense, special operations, and

more. This tool can be used as a standalone solution or integrated into existing workflows to help save time and reduce errors.

Advanced training and simulations for any conditions

Weathervers Sim is an advanced training and planning simulator that uses GRAF to produce actual weather conditions from any part of the world in synthetic environments at high resolution.

Weathervers Sim offers highly detailed visual and non-visual weather elements at ground and sky elevations to deliver the ultimate simulation of weather and its impacts.

Improve preparation with superior 3D weather map visualizations of actual conditions, such as more realistic clouds and precipitation. Trainees can also record, playback, and edit simulations to review, memorize, and adjust future training sessions.

Gain a weather advantage

Discover how you can leverage weather data from the world's most accurate forecaster and the comprehensive, feature-rich Weathervers portfolio to improve mission outcomes. Contact us today at weathercompany.com/defense.



Learn more about the
Weathervers portfolio

