The Weather Company Aviation Solutions

Maverick Ground Ops™

Precision lightning detection and predictive foresight for airside resilience

The era of reactive operations is over. You need synchronized, predictive storm intelligence for ground crew safety and unified network resilience.

Maverick Ground Ops™ helps bring an end to unnecessary ramp closures and long ground delays. The Weather Company has combined world-class weather accuracy with proprietary AI to give you a predictive edge on every turn. Sync your mobile crews and ground operations managers with a single source of truth. Protect your people, maximize throughput, and reclaim your network resilience.

Eliminate common operational hurdles

Today's ground operations face mounting pressure to maintain safety while managing fragmented data sets. Maverick Ground Ops addresses these key hurdles:

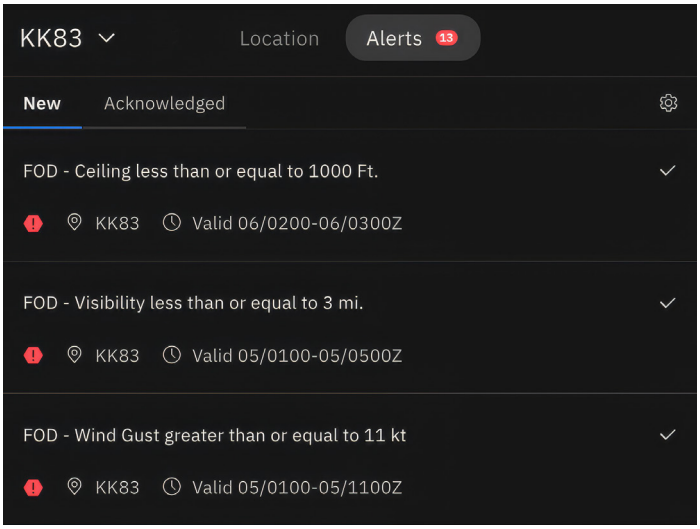
- **Visibility gaps:** A lack of specialized airside tools forces teams to rely on generic data that doesn't account for the unique complexities of the ramp. When ground crews and managers lack a shared, real-time view, safety and efficiency are compromised by guesswork.
- **Delayed safety decisions:** Fragmented weather data for lightning and wind leads to high-stakes risks, such as closing the ramp too late or keeping it closed too long.
- **Short-sightedness:** A lack of predictive foresight hinders confidence in creating ground operation plans for instance, in knowing whether baggage loading will halt or if aircraft will become weight restricted.

A unified vision of your operation

Better decision making
View comprehensive weather impacts through Forecasts on Demand™ (FOD), advanced GRAF® data layers and new mapping technology, delivering critical information in context.

Unified cloud experience
Connect all team members, from duty managers to ramp leads, to the same up-to-date information in a common SaaS platform.

Actionable alerting
Maintain situational awareness with an automated alerting engine prioritizing relevant airside threats like real-time lightning detection, high winds, and extreme temperatures.



Safeguard personnel through high-fidelity alerting.

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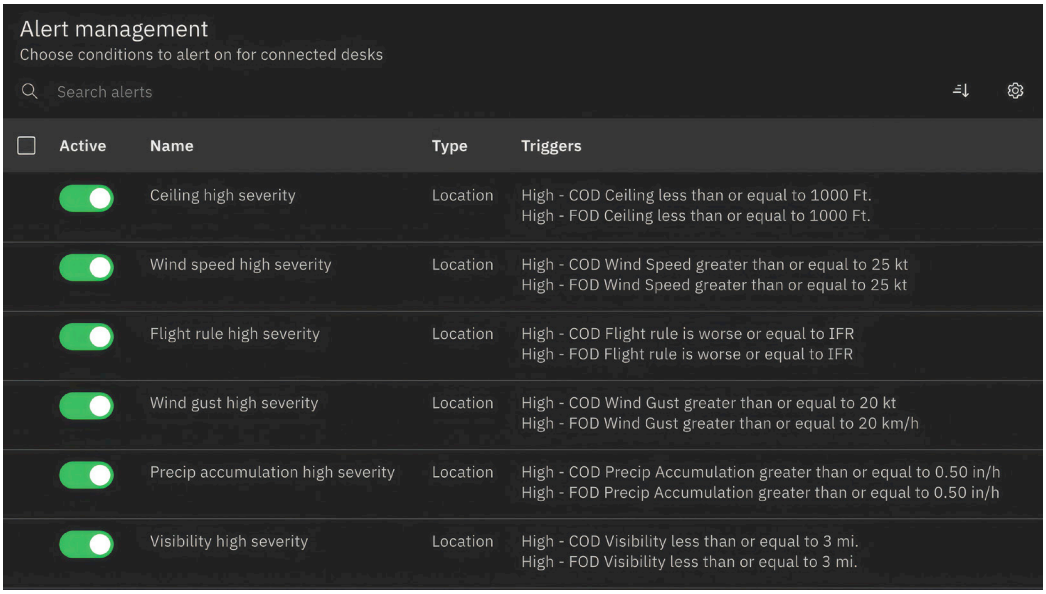
Intelligence engineered for the airside

Enterprise-grade SaaS platform with web-to-mobile parity

Built on a high-performance SaaS platform, Maverick Ground Ops offers a web-based dashboard and native mobile application (iOS and Android) designed with mirrored core functionality. Admin users can manage all airport locations (dashboards) from a single portal using standard ICAO codes, while safety range rings and alert thresholds are configured globally to remove the risk of localized configuration errors.

High-fidelity alerting engine and integrated safety workflows

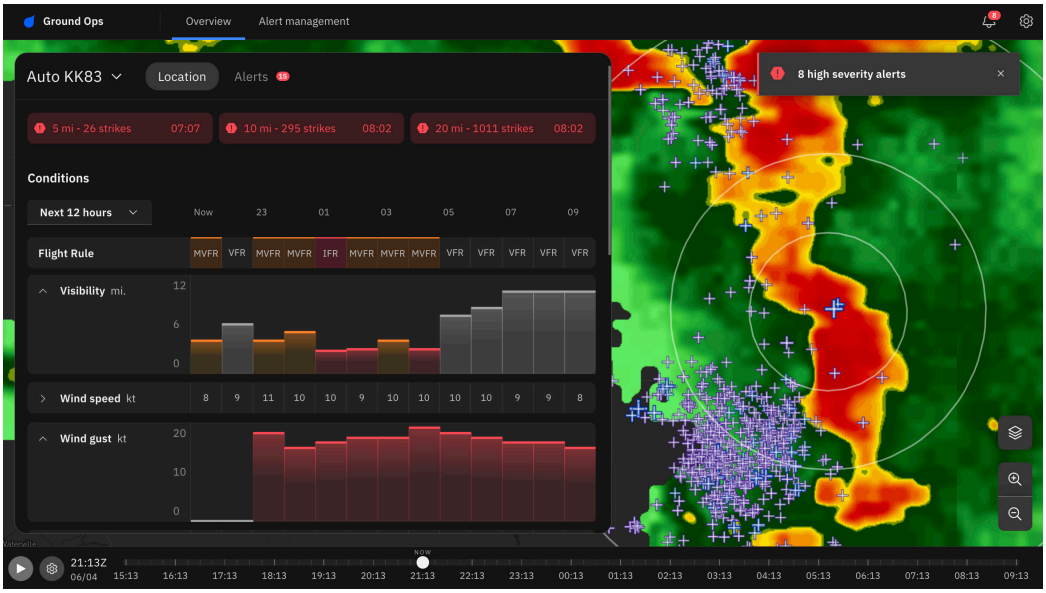
Real-time lightning detection is the top priority for ramp safety, with alerts delivered via visual banners, email, and toast notifications. Configurable range rings feature dynamic color-shifting tiles (green to red) to provide instant visual confirmation of threat proximity. Admins can embed specific SOP notes directly into alert messages to guide crew actions in real time.



The Maverick® platform's condition manager provides a wide range of alert triggers for greater situational awareness.

Actionable weather intelligence

Beyond lightning, utilize Currents on Demand™ (COD) and Forecasts on Demand (FOD) for wind gusts, wind direction, temperature, precip type, and more. Anticipate runway reconfigs and baggage handling impacts in the face of wind shifts, and plan for weight restrictions and heat-stroke risks during extreme highs.



With COD and FOD, users can quickly anticipate operational impacts.

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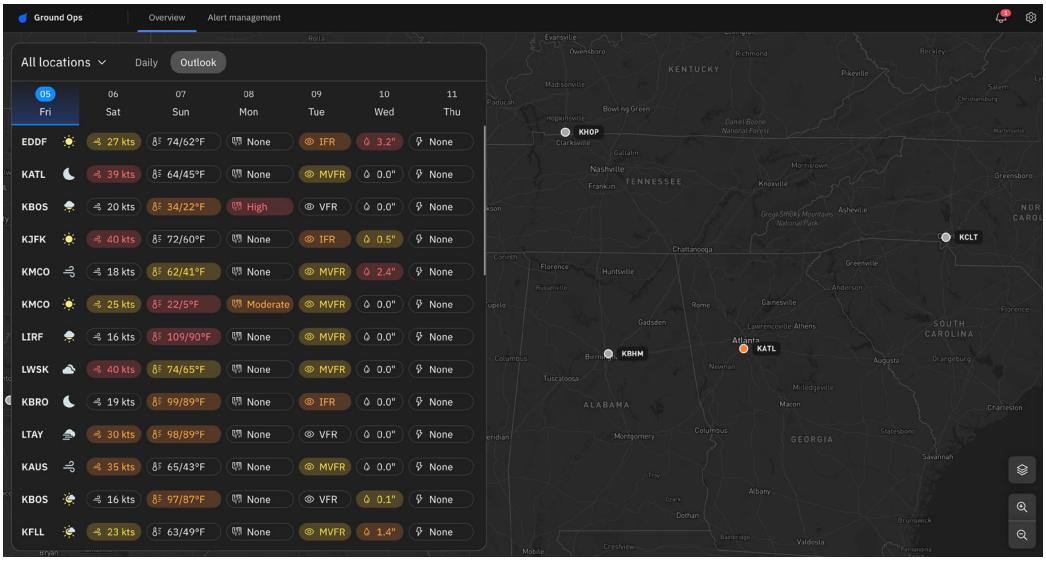
AI-driven insights and network oversight

Bridge the gap between meteorology and operations by embedding proprietary AI modeling — like TrACR (Terminal Airspace Convective Risk) and AAR (Airport Arrival Rate) — directly into the decision-making workflow. For airlines managing a massive footprint, a multi-airport-view dashboard provides a color-coded summary of weather risks across all hubs and stations to prioritize resource allocation in seconds. Specialized indices, like de-icing probability, help managers plan for high-cost winter operations with data-driven precision.



Weather risk summaries across hubs and stations facilitate rapid resource allocation.

Built for the modern network

Your operations don't stop, and neither do we. Backed by nearly 30 years of specialized forecasting from the world's most accurate forecaster,[1] Maverick Ground Ops is engineered to help the world's largest airlines and airports outpace disruptive weather. We don't just deliver a static tool; our rapid deployment cycles mean your team is always armed with the latest AI-driven innovations to protect your people and your performance.

Request a demo →

[1] ForecastWatch, Global and Regional Weather Forecast Accuracy Overview, 2021-2024, commissioned by The Weather Company

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