

Winter-Ready with Predictive Analytics and Automation



WINTER'S UNPREDICTABILITY:

A Growing Challenge for Operations and Safety

From polar vortex outages to multi-state blizzards, recent U.S. winters have generated tens of billions of dollars in combined economic and insured losses.

Yet, most businesses rely on outdated tools with manual monitoring and alerting — putting productivity and employee lives at risk.

It's time for a more strategic approach — one that delivers local insights and automation needed to mitigate most of winter's challenges, and respond swiftly and effectively when critical events do happen.

Up to **\$105B** projected economic losses caused by the January 2026 storms



Mitigate winter threats before they strike



AI-driven predictive modeling
Plan shift delays, facility closures, and employee availability for ultimate operational efficiency.

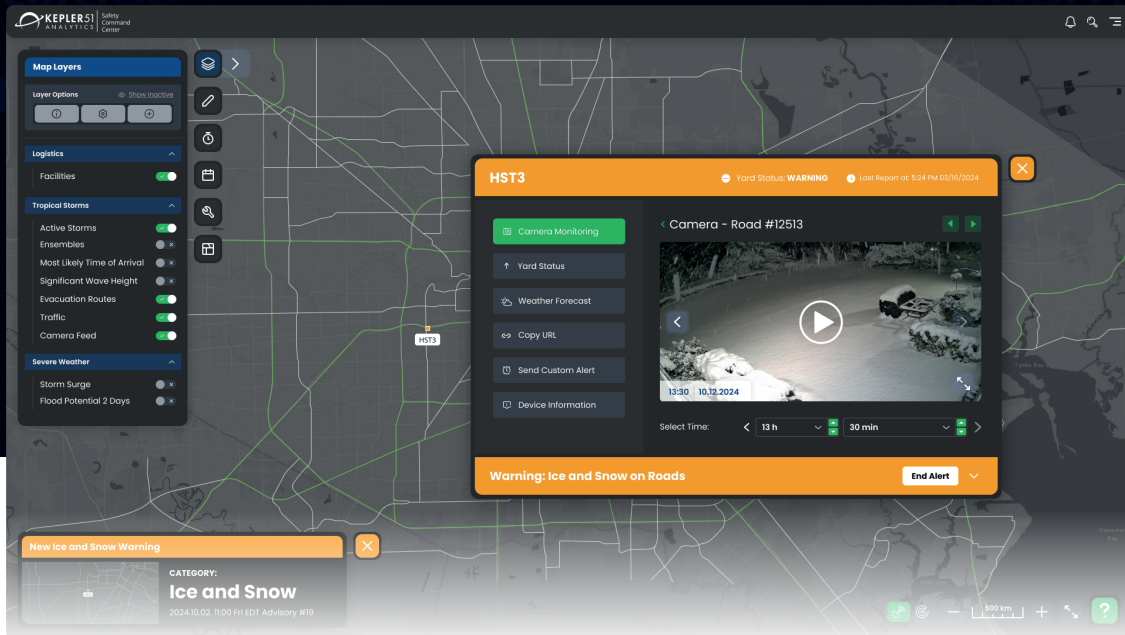


Hyper-local weather forecasting
No more hit-or-miss, broad forecasts that cause unnecessary facility closures, or are too late to alert impacted employees.

Stay connected in all conditions

- ◆ Get ahead of issues
Make sure your employees get relevant information about winter hazards. Send timely, verified updates and alerts.
- ◆ Robust 2-way communication during weather events
Utilize location data to pinpoint employees in need of assistance during severe winter weather. Use multi-channel notifications to confirm safety and coordinate responses.
- ◆ Keep your workforce safe and productive
Notify employees and teams about office closures and reopenings. Communicate with your remote workforce via surveys and two-way messaging.

Your All-in-One Winter Safety Solution



Predictive analytics

Our predictive modeling is powered by AI and machine learning to create proprietary custom weather risk and road models. This includes models for medium- and long-term climate predictions, all relative to the customer domain.

End-to-end automation of the snow removal process

Leverage AI-driven insights to optimize snow removal operations, then keep improving them. Integrate and audit your third-party vendors to ensure best quality necessary work, reducing cost and improving safety.

Roof risk assessment for snow accumulation

Kepler 51 offers proprietary snowpack models for roof integrity—projecting snow type, melt, and weight per square footage, allowing you to address potential collapses and ensure integrity of your assets.

Cold stress management and automated work stoppage signals

Monitor environmental conditions without exposing your employees to risk. Stop work automatically when cold stress thresholds are reached.

Road models

Forecast road conditions days before routes are run. The model analyzes real-time and forecasted conditions such as icing, crosswinds, and snow.

Black ice detection for road safety

Enhance road safety with advanced black ice detection systems, providing early warnings to drivers and advanced route planning to operators.



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