



WEATHER · US

DTN Weather Hub Tropical Intelligence

Turn tropical storm uncertainty into confident, cost- and life-saving decisions.

THE CHALLENGE

Organizations managing tropical cyclone risk are often forced to make high-cost operational decisions using fragmented tools, conflicting model data, and static forecast visuals. Uncertainty around the forecast and asset exposure slows response times and increases operational risk. Teams spend valuable time interpreting multiple model runs, coordinating across systems, and determining whether to commit crews or resources before confidence levels are clear.

THE RESULT

Delayed decisions, inefficient resource allocation, and costly overreactions. One major U.S. utility reportedly lost an estimated \$5 million after pre-staging 800 crews for a hurricane that ultimately missed their territory.

WHAT YOU CAN DO

Use Tropical Intelligence to:

- 1 Deliver probabilistic storm tracking insights**
Visualize statistically weighted storm path probabilities from a 1,000-member super-ensemble in a single, easy-to-read map layer.
- 2 Improve forecast confidence awareness**
Replace static hurricane cones with a Dynamic Cone of Uncertainty that expands or contracts based on real-time model agreement.
- 3 Accelerate pre- and post-storm response**
Use real-time and forecast Wind Speed Swaths to identify likely impact zones, prioritize inspections, and optimize crew deployment.
- 4 Monitor global tropical threats in one view**
Track storms, invests, basin activity, and asset exposure across all global tropical regions through the Tropical Monitor dashboard.

TROPICAL INTELLIGENCE HELPS YOU...

HELPS YOU...	BY ENABLING...
Improve operational readiness	Real-time visibility into forecast confidence and projected impacts
Reduce unnecessary resource spend	Better-informed pre-staging and deployment decisions
Accelerate emergency response	Rapid identification of highest-risk and hardest-hit areas
Strengthen business continuity	Global asset-aware tropical monitoring in a single platform

WHY TROPICAL INTELLIGENCE

Powered by DTN advanced weather intelligence infrastructure, Tropical Intelligence combines probabilistic forecasting, dynamic visualization, and operational risk awareness into a single decision-support experience.

Other applications leave the heavy lifting to your analysts: reconciling conflicting model outputs, interpreting static forecast cones, and manually evaluating asset exposure. Tropical Intelligence does that work for them, transforming complex data into decision-ready insights so teams can act in minutes instead of hours.

Unlike disconnected model viewers or static agency products, Tropical Intelligence converts forecast uncertainty into clear operational guidance. Organizations can respond faster, prioritize resources more effectively, and protect people, assets, and operations with greater confidence.

GET STARTED

See Tropical Intelligence in action

Discover how DTN helps utilities, marine operators, emergency managers, and enterprise teams modernize tropical storm preparedness and response with decision-grade weather intelligence.

[Learn More →](#)<https://www.dtn.com/weather/>