DTN

Reduce storm impacts by accelerating your preparation and response

Climate change is driving more frequent and severe weather events — leading to longer-duration outages despite ongoing grid-hardening efforts. With reputations and regulatory penalties on the line, utilities strive to source crews more quickly, leading to rate premiums and resource shortages ahead of significant weather events.

Consumers are adding pressure as post-COVID work-from-home trends drive an ever-growing reliance on technology, and social media puts customer sensitivity to power outages on full display.

The Storm Risk Dashboard from DTN shows weather-related hazard predictions up to seven days in advance using machine-learning prediction models to deliver clear, accurate information on the timing, location, and severity of threats.

It helps you:
- **Reduce costs** by providing a better understanding of the timing and scale of an event.
- **Improve efficiencies** by supporting targeted staffing decisions for both internal crews and sourcing outside contractors for post-event restoration.
- **Minimize regulatory penalties** by helping improve communication and standards linked to the forecasted event's severity.
- **Ensure health and safety** with timely, localized weather intelligence that helps protect people and assets.

Good data drives good decisions

The Storm Risk Dashboard combines advanced forecasting capabilities with the weather-related hazard predictions needed to make critical business and operational decisions. Clearly see and understand a threat's timing, location, and severity — without needing to study or interpret various weather maps. It also provides actionable guidance messages that align with your procedures, helping you to identify necessary steps to take and reducing noise and complexity in more common weather conditions.

Prime features

- Color-coded threat icons show expected hazard types.
- Email and text notifications for all alerts, including custom hazard models for business and operational impacts with customized alert messaging.
- A dashboard view of hazards, showing the type, when and where it will occur, and the magnitude and duration.
- A next-hazard window indicates the timing of the next event.
- The hazard timeline shows a visual representation of the timing of threats.
- An asset identification interface allows you to drop a pin, upload a GeoJSON file, or draw a polygon to map out asset locations.
- Configure up to three different lightning alert rings for your chosen distances and set an all-clear time for safer post-storm activities.
- U.S. National Weather Service, tropical weather hazard, and German (DWD) agency alerts.
- Single-line GeoJSON support when creating an asset.
- Metric and imperial values of measurement.
- Alert archives.

Prime outcomes

- Easily see the severity of the hazard and when and where it will occur.
- Quickly identify asset locations in relation to expected weather threats.
- Better manage staffing by accurately anticipating significant weather hazards.
- Reduce revenue losses by securing resources sooner and minimizing downtime.
- Support regulatory obligations and avoid penalties through better preparedness.

Extreme weather events — including heatwaves and extreme precipitation — are becoming more frequent and severe.

The Associated Press

Between 2000-2021, nearly 83% of major power outages were caused by weather events — with the average number of outages jumping 78% from 2011-2021.

Climate Central

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