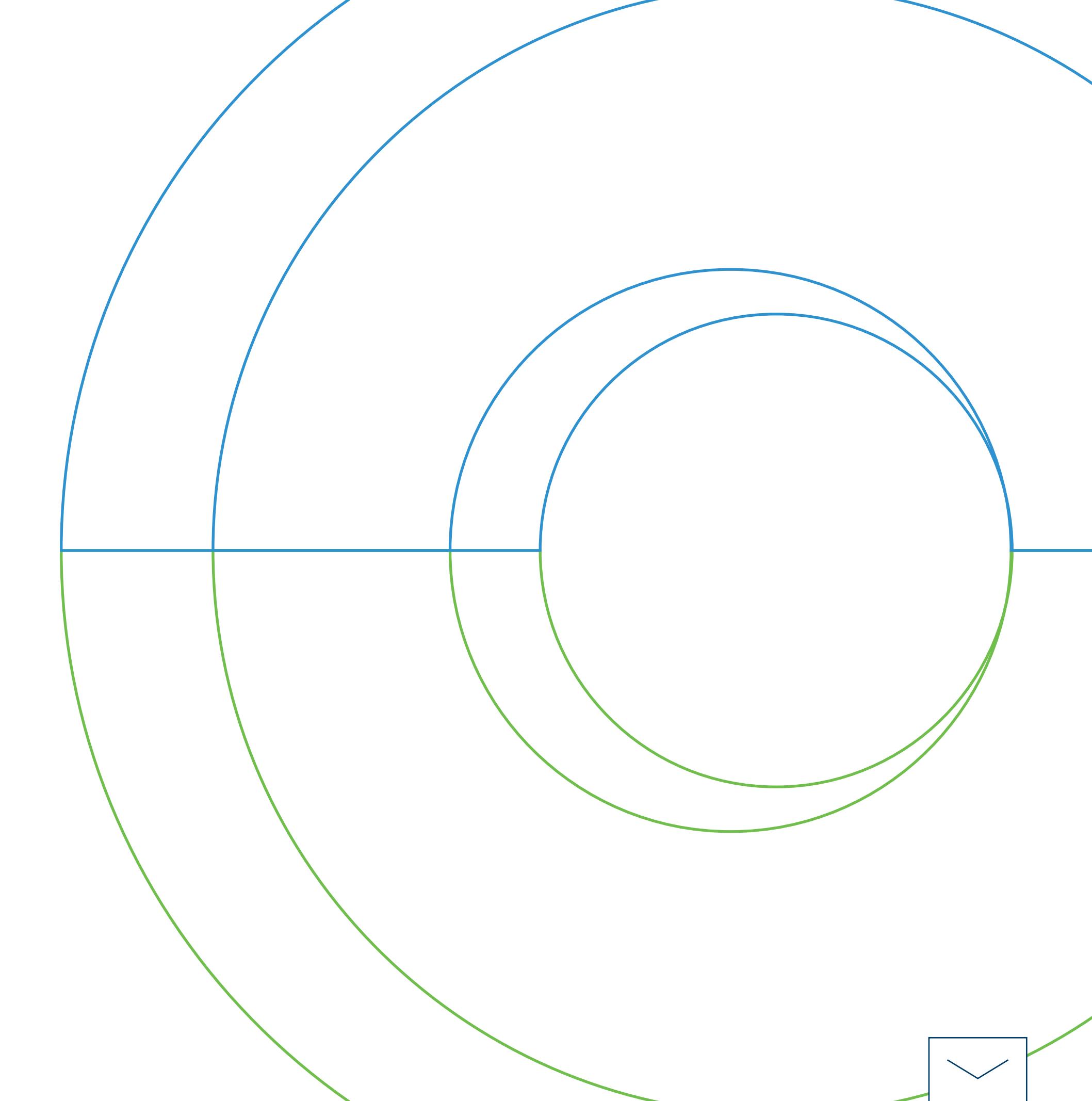




DTN Weather Hub  
for Utilities

# **The Future of Weather- Driven Utility Intelligence**

[www.dtn.com](http://www.dtn.com)



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## Introduction

For more than four decades, DTN has been the trusted weather intelligence partner to North American utilities. Now, we're building on that legacy with DTN Weather Hub — a purpose-built operational decision-support platform designed for grid reliability, outage prevention, and resilience.

With severe weather events increasing in both frequency and cost, utilities need more than raw forecasts. They need actionable intelligence and data that translates complex forecasts into measurable operational decisions.

DTN Weather Hub unites high-resolution weather models, AI-enhanced impact scoring, and expert meteorological support into one intuitive platform. It empowers utilities to anticipate outages, mobilize crews faster, minimize downtime, and safeguard compliance with confidence.

What sets Weather Hub apart is the precision of its Decision-Grade Data — ultra-local, quality-assured by 180+ DTN meteorologists, and engineered for energy operations. Combined with over 40 years of trusted service to the industry, DTN provides the credibility, transparency, and foresight utilities depend on.



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# Predictive Grid Intelligence for Outage Prevention & Storm Preparedness

## Why it's important

When storms threaten, minutes matter and every decision counts. Free or public weather tools cannot provide the precision or operational context utilities need to act with confidence. Utilities require predictive storm intelligence that connects forecasts directly to infrastructure impact.

*"We can't afford to wait for the first outage to deploy crews — we need to know where to act first."*

## What you gain with DTN lightning intelligence

- **Storm impact analytics:** See at-a-glance outage potential across your grid, color-coded by severity and impact probability using Gridded Risk Scoring. Get automated triggers to identify assets most at risk and generate actionable recommendations for crew staging.
- **AI-powered forecasting:** Models adapt to your specific geography, historical outage data, and asset configurations.
- **Faster response, less downtime:** Prioritize high-risk zones, dispatch strategically, and restore faster.

With DTN Weather Hub, you move from reactive restoration to proactive resilience.



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## Automated Multi-Channel Targeted Alerting

### Why it's important

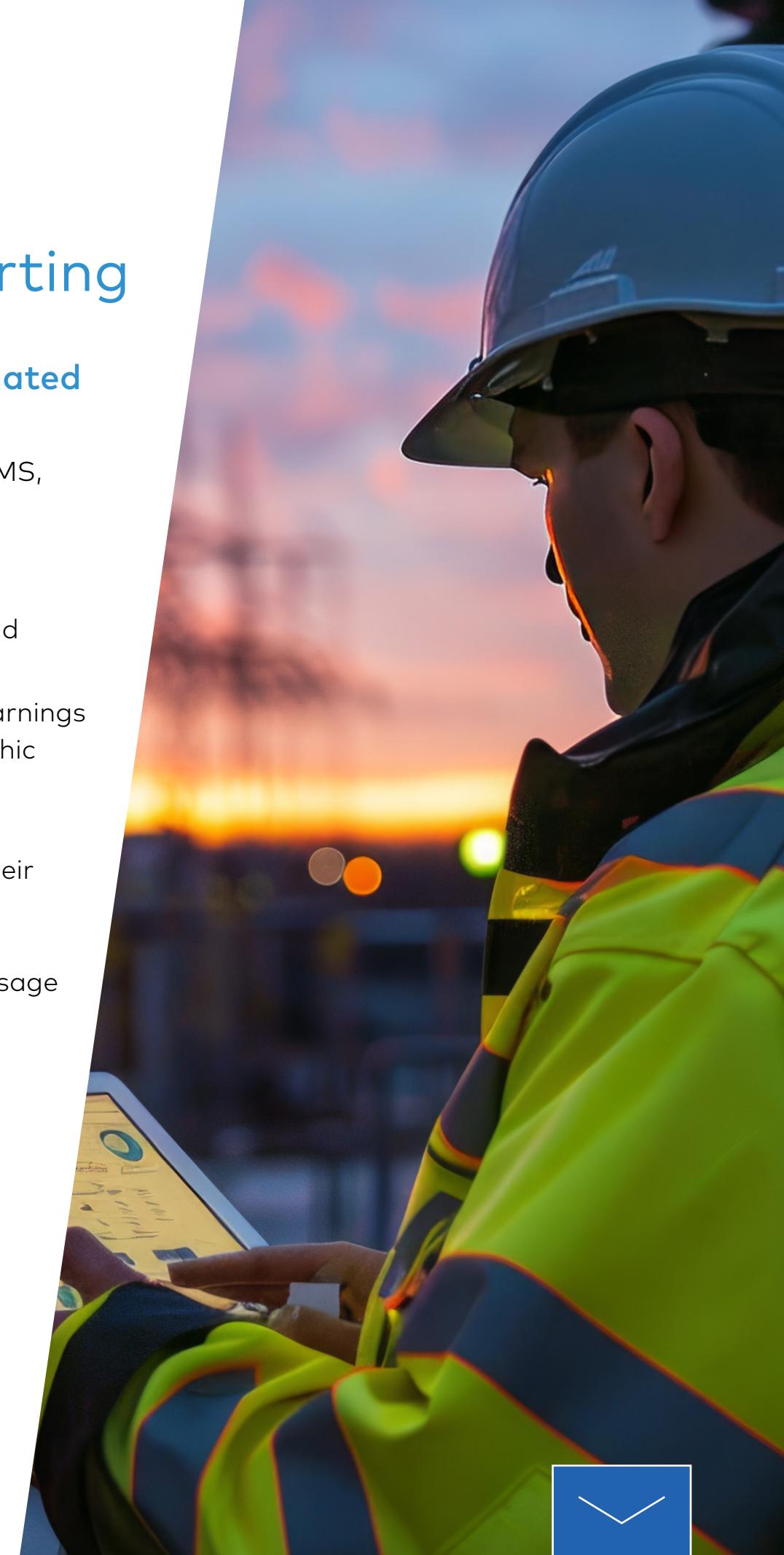
During fast-moving weather events, communication delays cost time and increase risk. Manual alerting systems can't keep up with today's operational tempo.

“When storms hit multiple regions, I need alerts that automatically reach the right teams — not a hundred phone calls.”

### What you gain with DTN automated multi-channel alerting

- **Instant notifications:** Send alerts via SMS, email, and mobile push, reaching crews wherever they are.
- **Integrated field communication:** Link weather alerts with crew scheduling and outage management tools.
- **Configurable alert thresholds:** Tailor warnings by asset type, voltage zone, or geographic area.
- **Role-based dissemination:** Ensure each team gets only the alerts relevant to their responsibilities.

With DTN, you'll ensure every critical message reaches your teams instantly — no lag, no confusion.



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## Professional Grade Lightning Intelligence

### Why it's important

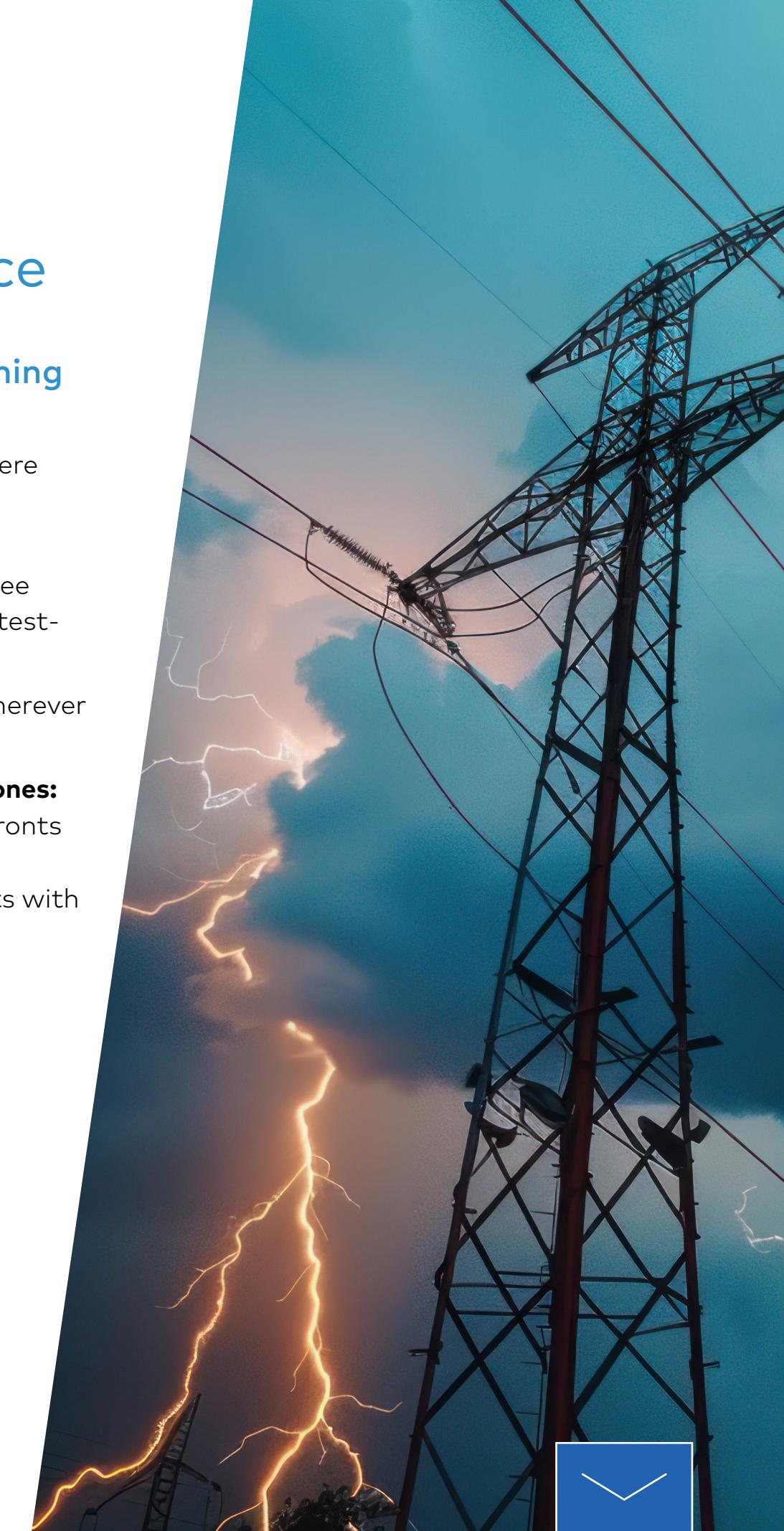
Lightning is one of the biggest safety threats you face, and relying on free apps won't give you the accuracy or reliability you need. Many people turn to multiple free apps, only to find that the information is inconsistent and often too late.

"I've got like four different apps on my phone to detect lightning—and none of them are reliable."

With DTN lightning intelligence, you gain confidence knowing you have a professional-grade solution designed to keep your people and operations safe.

### What you gain with DTN Lightning Intelligence

- **100-meter accuracy:** Know exactly where strikes occur, without the false alarms common in free apps.
- **Real-time updates every 15 seconds:** See lightning activity as it develops for fastest-possible awareness.
- **Global coverage:** Reliable detection wherever you operate.
- **Real-time lightning and wind threat zones:** Detect and monitor strikes and gust fronts near substations or transmission lines. Receive automated radius-based alerts with customizable trigger distances.



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# Asset-Specific Intelligence

## Why it's important

Every asset on your grid, from substations to transmission lines, faces different exposure to weather risk.

Yet many utilities still rely on region-wide forecasts that lack the precision to predict which assets will be affected first or most severely. Asset-specific intelligence bridges that gap, translating hyperlocal forecasts into precise operational insight so you can make targeted decisions that save time, money, and infrastructure.

*"A one-size-fits-all forecast doesn't work when each asset faces unique conditions. We need to see exactly where our risk starts."*

## What you gain with utility asset-specific intelligence

- **Hyperlocal forecast precision:** Gain weather insights tailored down to custom points, lines, and polygons that represent your grid assets, not just zip codes or cities. Each forecast is engineered using proprietary DTN models for temperature, wind, precipitation, lightning, and ice load—calibrated to your utility.
- **Gridded risk scoring map:** Visualize asset-level exposure across your service area with an intuitive 1-5 risk scoring scale. When any site reaches a Level 2 "At Risk" threshold, a Storm Impact Analytics event is triggered, providing early situational awareness for outage response teams.
- **Predictive maintenance insight for critical assets:** Use weather data to anticipate asset degradation before it occurs.
- **Integration with OMS and asset management systems:** Connect your existing outage management to create a unified operational view—combining weather intelligence with performance for more informed decision-making.

## Configurable options

- **Define your assets:** Import coordinates for substations, feeders, or renewable sites into DTN Weather Hub.
- **Set custom weather thresholds:** Tailor alerts for each asset type—wind speeds for transmission, heat indexes for substations, and lightning radii for solar or wind farms.
- **Monitor the grid in real time:** Access map-based dashboards showing live impact scores, lightning overlays, and forecasted risk timelines.
- **Act on predictive insights:** When thresholds are breached, automatic recommendations help you stage crews, secure equipment, or reroute loads.

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## Human Interface - Expert Meteorological Support

### Why it's important

When millions of dollars and public trust are at stake, your team needs more than automated models. They need human expertise to validate forecasts and guide operational decisions.

**"Having a meteorologist confirm our outage plan before a major event gives our leadership confidence in every move we make."**

### What you gain with DTN expert weather intelligence

- **Direct access to 180+ meteorologists:** Specialists with deep experience in utility weather operations.
- **24/7 consultation:** Get live input during severe weather and restoration events.
- **Storm impact forecasting with ETAs:** Understand when and where the most damaging conditions will occur.
- **Defendable reports:** Generate post-event documentation for regulators, insurers, and executives.

With DTN, you gain not just data — but an expert partner in every decision.



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# Weather Peril Focused Capabilities for Utilities

## Why it's important

Weather affects every utility differently. From wind-driven outages to heat-induced grid strain, your weather intelligence must align with your specific assets and service conditions.

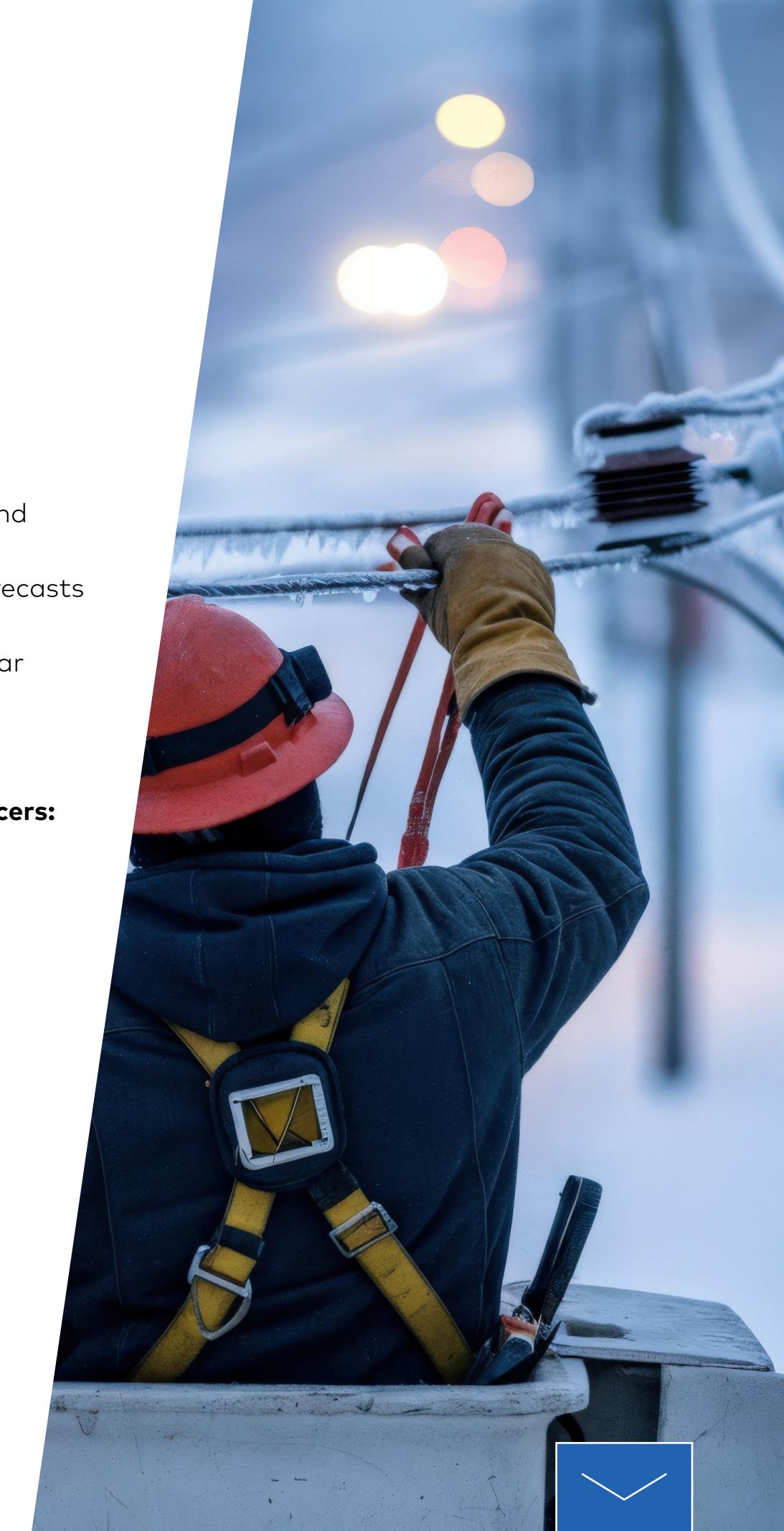
## What you gain with weather peril utility-focused capabilities

- **Weather risk forecasting integration:** Storm Risk, Wildfire, Flood Risk - Align demand forecasting with real-time weather impacts. Tailored to your service region and asset profile.
- **Asset specific forecasting and monitoring:** Custom thresholds for weather parameters that matter to your utility.

"The system tells us where to focus — before the storm does."

## Configurable tools for every utility role

- **Utility operations:** Outage mapping and impact scoring
- **Emergency preparedness:** Alerting, forecasts and timelines
- **Field teams:** Mobile alerts and live radar overlays
- **Executives:** ROI dashboards and risk summaries
- **Legal, regulatory, and compliance officers:** Audit-ready event reports



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# Unified Platform for Critical Field Operations Management

## Why it's important

Large utilities span thousands of miles and multiple operational sites and territories. Without a unified platform, coordination breaks down and regional response becomes inconsistent.

*"We need to see the entire system, but still empower each region to make quick, localized decisions."*

## What you gain with DTN Unified Operations Management Platform

- **Multi-region role-specific dashboards:** Monitor weather impacts and restoration status across all service territories.
- **Centralized weather risk threshold control:** Standardize risk thresholds, alert protocols, and safety policies organization-wide.
- **Role-based access:** From the control center to the field, every user sees exactly what they need.
- **Unlimited mobile users:** Keep every technician, dispatcher, and executive connected to the same intelligence.

DTN Weather Hub brings clarity, coordination, and consistency to even the most complex utility networks.



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## Compliance-Ready Decision Intelligence

### Why it's important

Regulators and insurers demand proof that your operational actions were weather-informed and justifiable. Manual logs can't keep up with those requirements.

### What you gain with DTN Weather Hub compliance support

- **Automatic decision logging:** Every forecast, alert, and operational decision is timestamped and archived.
- **Defendable records:** Build regulator-ready reports based on certified meteorological data.
- **Audit-ready intelligence:** Ensure compliance with NERC, FERC, and state resilience mandates.

DTN helps you maintain operational transparency and protect your organization's credibility.





## Lead with Foresight

**DTN Weather Hub for Utilities** is more than a weather platform — it's a critical component of grid reliability strategy for North America's most forward-looking utilities.

Don't wait for the next storm. Predict it. Prepare for it. Outperform it. Restore in time.

## Ready to Renew?

Secure uninterrupted access to the next generation of operational weather intelligence

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