DTN Weather Hub

The Future of Business Weather Intelligence

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Introduction
Professional grade lightning intelligence
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Introduction

For decades, DTN has set the benchmark in weather intelligence. Today, we're building on that legacy with innovations that address the growing challenges industries face. By investing in artificial intelligence, high-resolution data, and decision-support tools, we deliver more than forecasts—we provide sector-specific insights businesses can act on.

The DTN Weather Hub brings these capabilities together. Designed for outdoor safety, utilities, and renewables, it transforms raw weather data into actionable intelligence. With hyper-local, AI-optimized forecasts, impact scoring, and advanced planning tools, DTN Weather Hub empowers teams to safeguard people and assets, minimize operational disruptions, and manage resources with precision. What makes DTN Weather Hub different is its Decision-Grade Weather Data: AI-ready, ultra-local, and refined by over 180 meteorologists. By combining this expertise with customer data, we translate probabilities into clear operational outcomes.

In the pages ahead, we explore the key features and capabilities of DTN Weather Hub—showing how this platform transforms weather intelligence into a practical advantage across industries.

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- Professional grade lightning intelligence
- Automated multi-channel alerting
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- Expert weather intelligence
- Industry-specific safety solutions

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 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:** You'll know exactly where strikes occur—without the false alarms common in free apps.
- **Real-time updates every 15 seconds:** You'll see lightning activity as it develops, giving you the fastest possible awareness.
- **Global coverage:** No matter where you operate, you'll have reliable lightning detection at your fingertips.
- **Configurable radius settings:** Set alerts to match your needs, whether that's a tight 3-mile range for airport operations or a 20-mile early-warning radius for outdoor events.

With DTN, you'll reduce risk, keep people safe, and make confident decisions when lightning threatens.

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Automated multi-channel alerting

Why it's important

Relying on manual monitoring and communication doesn't scale, especially when safety and operational efficiency are on the line. Many organizations still depend on individuals to track weather conditions and then manually notify teams, which creates delays and risks.

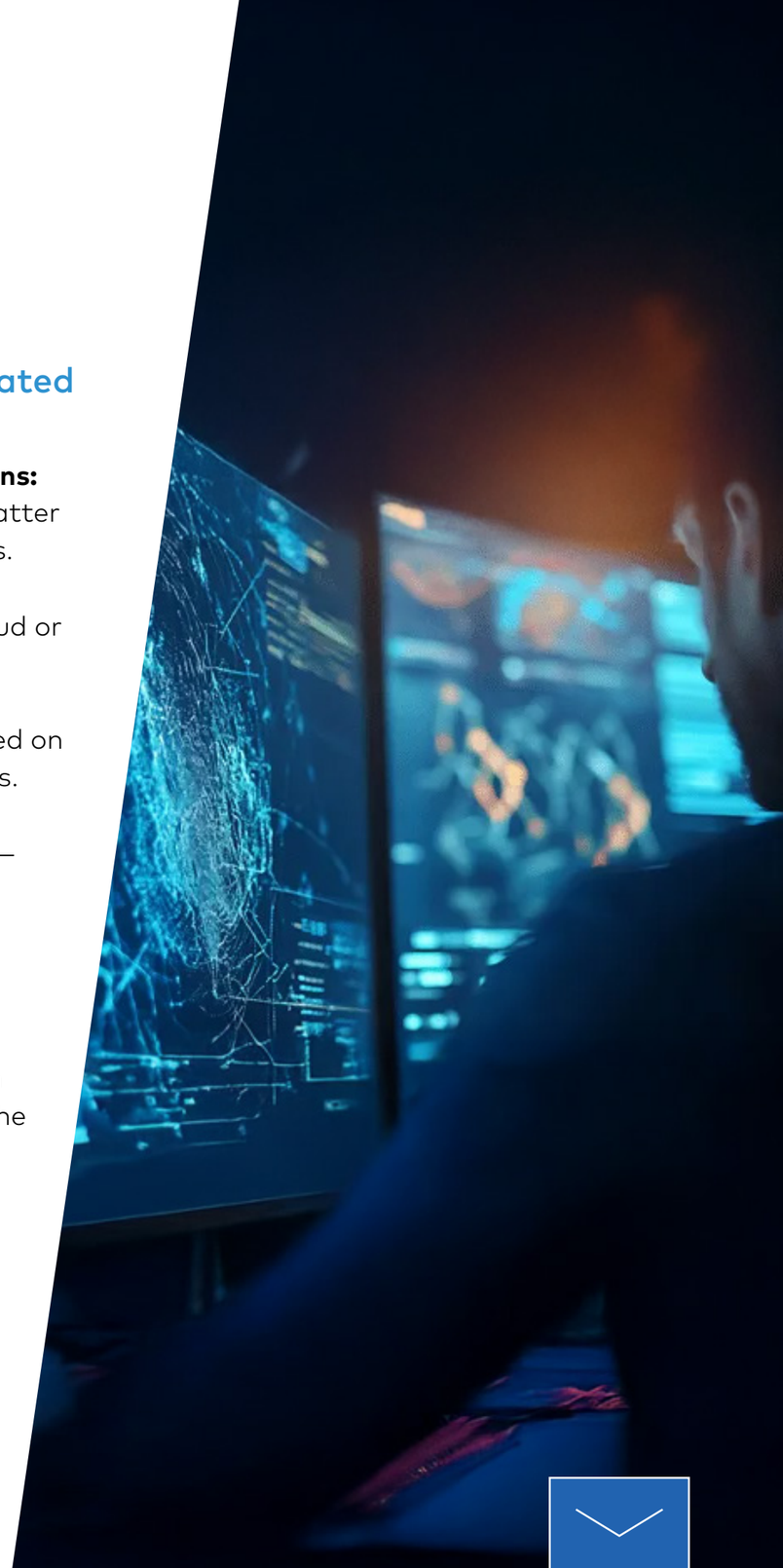
> "Whenever I get an alert, it requires me to then send out a text to everyone."

With DTN automated multi-channel alerting, communication is instant, automatic, and reliable—so you can keep people safe and operations running without added manual overhead.

What you gain with DTN automated multi-channel alerting

- **SMS, email, and mobile push notifications:** Ensure messages reach everyone, no matter what their preferred channel or device is.
- **Siren system integration:** Trigger onsite alarms to immediately warn crews in loud or high-distraction environments.
- **Configurable alerts by threat level:** Customize messaging and urgency based on the type and severity of weather threats.
- **Scalable communication across sites:** Manage alerts for dozens—or hundreds—of job sites simultaneously without added effort.

With DTN, you eliminate the lag and inconsistency of manual notifications, ensuring that critical weather information always gets to the right people, through the right channels, at the right time.



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Enterprise-scale operations management

Why it's important

Managing weather intelligence across dozens—or even hundreds—of locations can overwhelm traditional tools. Without centralized oversight, regional teams may miss threats, policies can be applied inconsistently, and decision-making becomes fragmented. Customers operating at enterprise scale need reliable, role-based tools that keep operations coordinated while still empowering local sites.

> "With multiple properties, each with different guest communication needs, we need flexible, centralized control."

With DTN enterprise-scale operations management, you gain a powerful, unified system that streamlines weather intelligence across your entire organization, whether you're running dozens of job sites, managing nationwide infrastructure, or coordinating hospitality services.

What you gain with DTN enterprise-scale operations management

- **Multi-location dashboards:** See weather impacts across every active site, region, or property at a glance, with drill-down capabilities for local conditions.
- **Role-based access:** Provide tailored access for corporate leaders, regional managers, and site-level supervisors, ensuring each person sees the data most relevant to their responsibilities.
- **Centralized policy management:** Establish enterprise-wide safety standards and communication protocols while giving local sites the flexibility to adapt to immediate needs.
- **Unlimited mobile users:** Extend access across your workforce, from executives to field teams, without limits or added complexity.
- **Scalable across industries:** Whether in construction, energy, or hospitality, manage diverse operational needs under one centralized platform.

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Expert weather intelligence

Why it's important

Most organizations are forced into reactive decisions when severe weather approaches—leading to unnecessary delays, wasted resources, or unsafe situations. The difference comes when you can plan ahead with confidence, turning weather from a disruptive force into a strategic advantage.

> "Do we move up and try to get playing before the storm or move back?"

With DTN expert intelligence, you shift from uncertainty to proactive decision-making, backed by trusted meteorological expertise.

What you gain with DTN expert weather intelligence

- **180+ meteorologists on staff:** Access to real experts, not just automated models. Competitors rely on 24-hour-old data—you get live, human-reviewed intelligence.
- **Hourly forecasting and updates:** Stay on top of evolving conditions with precise, actionable insights every hour.
- **Storm tracking with ETAs:** Know when and where severe weather will arrive, down to estimated times of arrival.
- **Color-coded threat timelines:** Visualize weather hazards impacting your operations.
- **Decision confidence levels:** See the forecast probability and act with clarity instead of guesswork.

With DTN, you stop reacting to weather and start planning around it—ensuring safety, compliance, and operational efficiency in every decision.

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Industry-specific safety solutions

Why it's important

Every industry faces unique weather-related risks, yet most generic weather apps only provide one-size-fits-all data. From construction sites to airports, the stakes are too high to rely on tools that don't align with real-world operational and regulatory requirements. With DTN Weather Hub, DTN delivers weather intelligence designed around your specific industry needs, ensuring compliance, safety, and operational continuity.

> "We can't afford generic alerts—we need thresholds that match OSHA rules and our own site safety policies."

With DTN, you get tailored weather intelligence that fits your environment, workforce, and safety protocols.

What you gain with DTN Weather Hub industry-specific safety solutions

- **Construction:** Wet Bulb Globe Temperature monitoring to ensure OSHA compliance, plus wind speed thresholds to keep cranes and equipment operating safely.
- **Outdoor workers:** Custom lightning radii (e.g., 5-mile vs. 10-mile alerts) and hands-free alerting to keep workers protected in hazardous environments.
- **Events and sports:** Real-time data to protect crowds and equipment, while supporting fast, confident scheduling and evacuation decisions.
- **Aviation:** Monitoring for ground crew safety and flight operations, with configurable alerts for lightning, wind, and severe storm threats.

Configurable capabilities across industries

- **Custom lightning thresholds:** Adjust detection ranges to your exact operational safety requirements.
- **Heat stress monitoring:** WBGT-based alerts to protect workers in high-heat environments.
- **Tropical cyclone tracking:** Monitor and plan for severe storm impacts well in advance.
- **Wildfire risk management:** Stay ahead of fire threats with predictive tools and risk alerts.

Explore DTN Weather Hub and discover how AI-driven insights keep your operations safe, compliant, and resilient in any conditions.

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