

otonomo



Weather  **Optics**

Weather Data
Built for Logistics



PROFILE

WeatherOptics is a weather intelligence company that provides weather impact insights to the supply chain and logistics industry by using industry-specific data that informs decision making. WeatherOptics forecasting is focused entirely on impact, utilizing weather-adjusted ETA's and impact risk scores that improve visibility.

HIGHLIGHTS

- Weather-adjusted ETA
- Road danger forecast
- Power outage chances
- Flooding threat

USE CASES

Supply Chain and Logistics
Trucking & Freight
Transportation management
Shippers

AUTOMOTIVE DATA PARAMETERS USED

Speed
Location
Road name

CHALLENGE

Weather accounts for 23% of all roadway delays in Commercial Vehicle Operation (CVO) companies, leading to 32.6 billion vehicle hours lost due to weather-related conditions, according to the U.S. Department of Transportation. The estimated cost of weather-related delay to trucking companies ranges from \$2.2 billion to \$3.5 billion annually. In extreme events like hurricanes and blizzards, losses can exceed \$100 million per day.

Extreme cold can also affect delivery schedules. In late January 2019, many delivery companies suspended service in up to 11 states, primarily for the safety of employees.

With weather accounting for nearly a quarter of all trucking delays, shipping companies suffer increased operational costs and significant freight delays. These result in missed delivery windows and disrupted production schedules with severe ripple effects on retailers, and eventually, consumers.

When major weather events occur, transportation companies typically leverage weather data to ensure that their resources are being utilized in the safest and most efficient method possible. However, this data needs to be further analyzed to gain actionable insights. In order to avoid accidents and delays, supply chain and logistics companies need real-time proactive knowledge and actionable insights about the weather impact.

“By partnering with Otonomo, we’ve been able to increase our ETA accuracy by 24%. We’re more confident than ever in our ability to predict weather related delays and slowdowns for our supply chain and logistics customers.”

SCOTT PECORIELLO, FOUNDER & CEO, WEATHEROPTICS



SOLUTION

WeatherOptics is a weather intelligence solution for the supply chain and logistics industries that utilizes vehicle data to reduce shipment delay costs by 40% and improve ETA accuracy by up to 60% during severe weather events. Unlike traditional weather companies, WeatherOptics focuses entirely on the weather impact by providing weather-adjusted ETAs and impact risk scores that improve visibility for supply chain and logistics companies.

WeatherOptics leverages Otonomo cleansed and harmonized vehicle data to verify ETA accuracy by understanding the true impact of weather on vehicle speed and performance at a high-volume scale. WeatherOptics uses tens of millions of data points to ensure they have the most accurate and actionable weather data.

“By utilizing ground-truth vehicle data, we can better forecast how different weather conditions will affect shipments across different parts of the country. ”

SCOTT PECORIELLO

“Our core business is focused on increasing supply chain visibility using weather data,” explains Scott Pecoriello, Founder and CEO of WeatherOptics. “By utilizing ground-truth vehicle data, we can better forecast how different weather conditions will affect shipments across different parts of the country. This will enable shippers, carriers, and Third-party logistics to be informed of upcoming delays and understand what they can do to mitigate them.”

RESULTS

Utilizing Otonomo’s vehicle data to verify and predict weather impact, WeatherOptics is able to further improve ETA and actionable insight accuracy.

“By partnering with Otonomo, we’ve been able to increase our ETA accuracy by 24% in just one month,” says Pecoriello. “Our team of data engineers was able to work with Otonomo to pull down and integrate the data in a matter of weeks and we were able to consume and turn the data into valuable insights within a month of using it.”



Mean Error of WeatherOptics’s RightRoute software (ETA predictions)

V1—BEFORE Otonomo data V2—AFTER Otonomo data

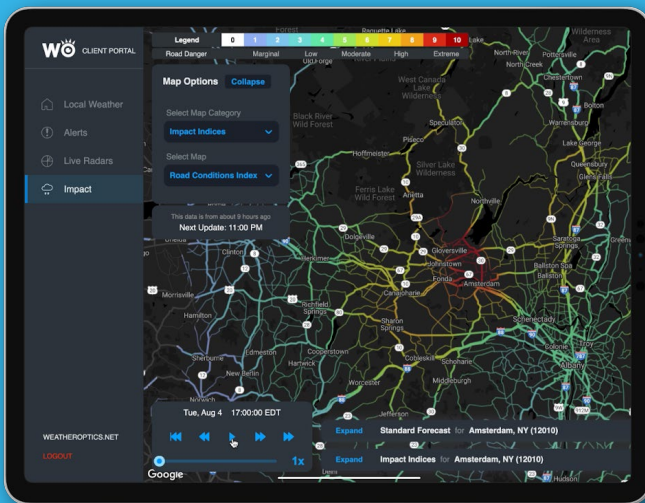
WHY OTONOMO?

Otonomo vehicle data enables WeatherOptics to improve its suite of industry disrupting weather intelligence products. Otonomo's ground-truth vehicle data further verifies and improves ETA and actionable insight accuracy to better predict weather impact.

"WeatherOptics data can tell customers a story instead of leaving them with numbers and symbols," concludes Pecoriello. "Using Otonomo data this story becomes richer with deep insights into vehicle performance during impactful weather events."

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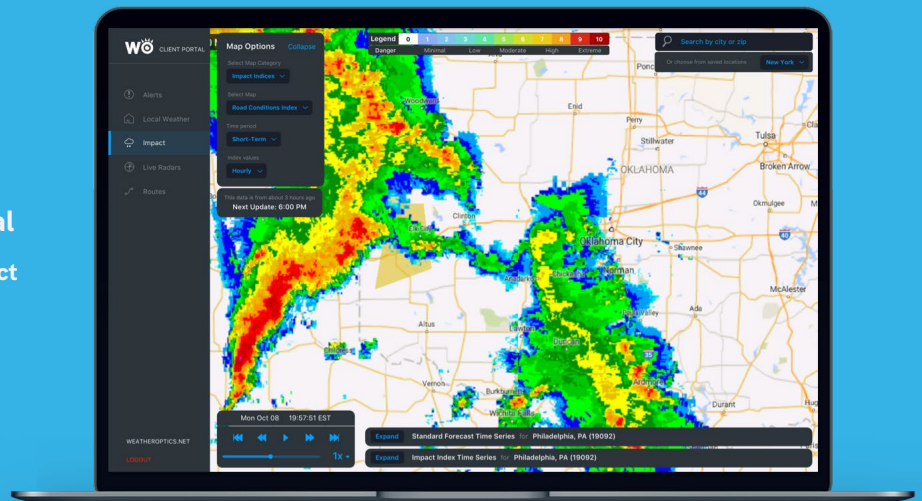
SCOTT PECORIELLO



RightRoute

Pinpoint and avoid weather-related road delays days in advance

WeatherOptics Portal
Actionable weather impact insights



ABOUT OTONOMO

Otonomo fuels an ecosystem of OEMs, fleets, and more than 100 service providers. Our platform securely ingests more than 4 billion data points per day from over 40 million global connected vehicles, then reshapes and enriches it to accelerate time to market for new services that improve the in-and-around the car experience. Privacy by design and neutrality are at the core of our platform, which enables GDPR, CCPA, and other privacy-regulation-compliant solutions using both personal and aggregate data. Use cases include emergency services, mapping, EV management, subscription-based services, parking, predictive maintenance, insurance, media, in-vehicle services, and dozens of smart city solutions. Otonomo has an R&D center in Israel and a presence in the United States and Europe.

More information is available at otonomo.io

ABOUT WEATHEROPTICS

WeatherOptics is a leader in the weather intelligence space, providing companies with insights and forecasts that eliminate guesswork and improve visibility of key operations. By uniquely combining predictive weather modeling with granular non-weather data, WeatherOptics helps shippers, carriers, and supply chain software companies focus on moving goods around the world safely and efficiently despite the weather. To learn more about WeatherOptics, please visit weatheroptics.co

