Environmental Intelligence Suite for Ground transportation

The challenge

Weather conditions have a significant impact on the ground transportation industry. Inclement and unpredictable weather results in road delays and closures, or potential accidents that may affect your drivers and assets, which disrupt business operations, create unnecessary operational costs and increase the risk of employee accidents. Knowing when the next severe storm will disrupt your operations isn't enough. Conditions that are less severe but more frequent – like extreme temperatures, high winds, precipitation, cloud cover – can have a cumulative impact as significant as large storms. As the climate crisis strengthens and disrupts operating models, transportation companies must incorporate weather and geo intelligence into their operations.

Ground transportation companies are dealing with a higher than average volume of shipments during COVID-19, with B2C parcel delivery up 65%. Trucking needs to be more efficient than ever to keep up with growing shipments, especially since significant delays in shipments from weather can cost you your customers' trust.

Improved weather insights can enable organizations to improve decision making and performance in these critical areas. Harness weather data from dispatch to drivers to make in-the-moment decisions that ensure business continuity.

Steer clear of disruptive weather to protect your assets and transport goods safely and on time

Disrupt the transportation industry by not letting weather disrupt you.

WOC is a suite of applications that allows you to plan for and respond to disruptive events like weather to ensure business continuity and keep your assets safe.

– **Weather API access** to the world's leading source of weather data puts historical and current weather data at your fingertips for analysis and model operations

– **Geospatial analytics** from the PAIRS Geoscope platform let you curate and scale your data sets along with 6 petabytes of existing data to drive your analysis

– **Visualization dashboards** allow customized displays and monitoring by asset so you can visualize and operationalize analytic models or weather perils to keep your workforce safe

– Using the **Alerts console**, notify your users to the presence of a peril, or indicate a threshold exceedance immediately to drive efficiency and safety

EIS can help you...

Improve safety
Deliver real-time weather insights and alerts to help drivers avoid adverse conditions and protect your cargo and assets.

Analyze data
Analyze weather augmented with other geospatial data along with your business data and asset information.

Support Stakeholders
Communicate real time weather insights across different functions to take consistent actions to prepare and respond.

Reduce downtime
Use up to date weather data to plan optimal routes and manage your fleet efficiently.

"This investment shows our drivers that we care about keeping them safe and providing them with the latest technology that helps them do their jobs more effectively. This could play a role in helping Knight appeal to future employees and strengthen retention among existing team members. That's a huge benefit in an industry like ground transportation, where driver turnover is still very high."

Brandt Wilson
Knight Transportation

Turn weather insights into your competitive advantage

IBM's Weather solutions are empowering transportation companies with the information they need to make smarter decisions. IBM Environmental Intelligence Suite provides up to date weather data for optimal route planning, allowing for drastic savings in fuel consumption and fleet management.

Clients can attest to our results. With the Weather Operations Center, Knight Transportation helped drivers avoid accidents and delays – a huge financial benefit in an industry where operating margins are thin.

Learn more

Explore the full Environmental Intelligence Suite platform.