



Arnold Bros CASE STUDY

THE CHALLENGE

Arnold Bros Transport Ltd. is a full truckload carrier based in Winnipeg, Manitoba, Canada. With operations that extend across Canada and the United States, weather presents a constant challenge to safety and efficiency. Given Arnold Bros. commitment the highest standards in safety and customer service, the company was interested in finding a way to reduce the impact of adverse weather conditions on their operations.

THE TECHNOLOGY

Weatherlogics Inc. has developed a road weather prediction model using the latest advances in artificial intelligence and machine learning. Recognizing the weather-related challenges faced by the transportation industry, Weatherlogics integrated its road weather predictions into a web-based application. This app provides both current and future road weather predictions across Canada and the United States.

THE SOLUTION

Arnold Bros. began using the Road Weatherlogics platform during the winter of 2017-18 to help reduce the impact of weather on its operations. Some of the critical uses of this application included better planning of LCVs, early alerts to drivers of adverse weather, providing weather-optimized routing, and giving customers advance notice of possible weather delays.

WEATHER IS COSTLY

A 2012 study by the United States Department of Transportation estimated that **weather costs the transportation industry over \$8.6 billion annually**. While you can't change the weather, you can plan for it.

REDUCE DELAYS

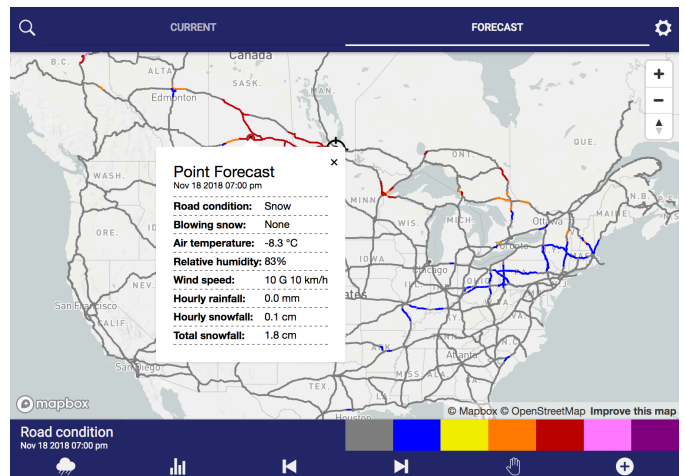
By knowing road weather conditions in advance, weather-optimized routes can be selected, reducing delays.

REGULATIONS

Many jurisdictions do not allow long-combination vehicles (LCVs) to operate under high wind speeds and poor weather conditions. Using advanced weather information, loads can be planned to conform with these regulations.

SAFETY

Driver safety is of utmost importance. Using Road Weatherlogics, dispatchers can provide drivers advance warning of advance weather. Drivers can also access weather data using the Road Weatherlogics mobile app.



The Road Weatherlogics platform is available for both desktop and mobile, putting it in the hands of drivers and dispatchers.