



Road Weather



Improving Driver Safety through Big Data

Hyper-local, real-time road weather conditions to keep drivers informed and save lives.

INRIX Road Weather is the first of its kind to give drivers advance warning of dangerous road weather conditions ahead, keeping them safer on their route. The solution aggregates big data from connected cars, as well as atmospheric weather conditions. It then transmits that data to other cars and mobile applications, giving drivers important information to either choose another route or change their speed well ahead of the problem.

It is reported that each year that 25 percent¹ of the collisions that occur on United States roads are weather-related, compared to 30 percent² in Europe. Just last winter, weather caused 57 mega-crashes involving 10 or more vehicles in the US³. Today, there are insufficient means to detect road conditions caused by adverse weather and road sensors are too expensive to deploy across the entire road network.

“Since the beginning INRIX has been focused on making driving not only more efficient, but safer. INRIX Road Weather is the innovative next step that continues our work to use massive big data and leading edge technology to make connected cars and smart cities safer for everyone.”

Bryan Mistele, President and CEO, INRIX, Inc.

Who benefits from INRIX Road Weather?

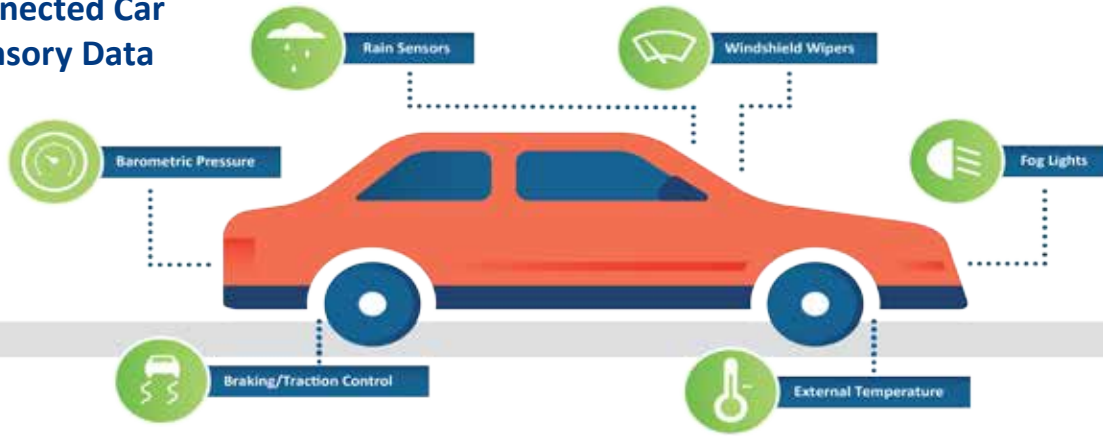


AUTOMAKERS: Real-time alerts help drivers react to and avoid dangerous routes

PUBLIC SECTOR: Precise identification of problem road segments helps deploy resources faster

INSURANCE: Analysis of road weather events with underwriting and safer routing

Connected Car Sensory Data



INRIX builds on its long experience in working with Big Data for its traffic services becoming the first commercial weather service provider that incorporates connected vehicle data delivering precise, real-time warnings ahead of dangerous conditions. INRIX Road Weather gives drivers hyper-local alerts so they can drive safe, make better decisions and avoid heavy traffic on their route.

This service also benefits transportation agencies, enabling these organizations to dispatch maintenance and emergency response vehicles faster, deploy variable speed limits for traffic management and send drivers advisories and warnings.

INRIX Road Weather is leveraging Big Data and sophisticated technology to keep drivers safe and more informed.

The INRIX Road Weather service intelligently combines relevant vehicle sensor data with traditional atmospheric weather information to give the driver real-time alerts to dangerous road conditions ahead of them.

¹Source: Ten-year averages from 2002 to 2012 analyzed by Booz Allen Hamilton, based on NHTSA data
² www.volvotrucks.com/SiteCollectionDocuments/VTC/Corporate/Values/ART%20Report%202013_150dpi.pdf
³ www.usatoday.com/story/news/2015/02/18/unraveling-multiple-vehicle-pileups/23323989/



Data Sources

- Broad set of public and private weather data sources
- Commercial fleets and connected cars
- Highly accurate road weather forecast models



Road Weather Conditions Detected

- Precipitation intensity and type
- Pavement conditions
- Visibility levels



Precise & Actionable Information

- Updated every 15 minutes down to 500 meters
- 12 hour forecast capability
- Identification of specific road segment affected, and length of occurrence
- Available through INRIX XD Incidents API

INRIX is collaborating with 100's of world class companies and public agencies to transform how people and commerce move across the world's transportation networks. As Big Data and the Internet of Things changes everything from where people go and what they do to how they get from place to place, INRIX is at the forefront of connecting cars to smarter cities and understanding the science of traffic.

Today, we operate the most robust driver network in the world that includes 250 million vehicles, smartphones, cameras, incidents and other sensors with the ability to cover nearly 5 million miles of road, ramp and interchange in more than 40 countries. The beautiful simplicity of our approach is as more vehicles and devices connect with us, our data intelligence broadens – providing a cycle of increasing accuracy. And INRIX alone can provide it!

Learn more about how INRIX Connected Car services for Road Weather can help you:
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