iteris®

Weather Solutions

Custom weather applications to make the rubber meet the road

Benefits of Weather Solutions

Provides information needed to effectively attack weather-related issues on your roadway

Custom weather and hydrological support services for emergency DOT responders

Offer a variety of options of maintenance weather products that help you save resources, money, and lives

Knowing the weather conditions and their impacts in advance are important. Providing reliable information on future weather conditions where localized impacts play a prominent role on mobility and safety requires a sophisticated approach, combining expertise, algorithms, and computer-based tools to achieve forecast accuracy.

This is no longer the unpredictable business it used to be. Iteris provides this reliable information using highly skilled meteorologists who utilize advanced technology, models, and decision support workstations, to provide 24/7/365 support. Iteris forecasters provide route and site-specific weather forecasts that extend from the surface pavement to above the troposphere.

Services include road maintenance decision support systems, load restriction predictions, and emergency management.

Weather and Pavement Information provides:

- The ability and knowledge needed to effectively attack weather-related issues on your roadway
- Awareness of impending adverse weather and corresponding pavement conditions
- Variety of options of maintenance weather products that help you save resources, money, and lives

Weather Solutions

Custom weather applications to make the rubber meet the road

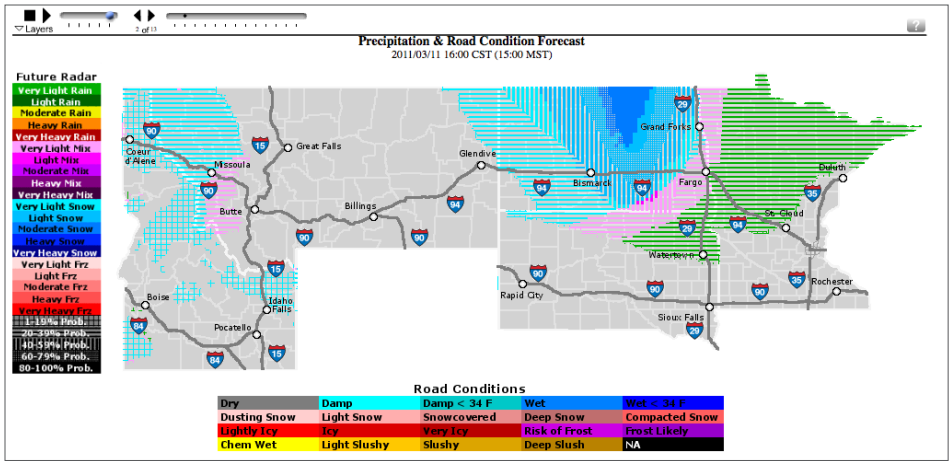
Emergency Management

Weather-related disasters can strike anywhere at anytime, requiring an immediate response. Knowing how weather impacts a disaster is critical to successful preparation and an effective response.

- Custom weather and hydrological support services for emergency DOT responders.
- Data acquisition, data assimilation algorithms, weather prediction models, and proven hydrological modeling systems to support emergency response to blizzards, fires, floods, and hurricanes.
- Advanced modeling systems to support chemical and biological modeling of hazardous material releases for fast decision making.

Road Maintenance

Poor travel conditions are a leading cause of weather-related deaths and injuries. **Maintenance Decision Support System (MDSS)** provides solutions to meet your maintenance decision making needs. MDSS delivers detailed and accurate information at the maintenance route level to enable you to more effectively maintain your roads and optimize your resources while reducing costs.



Site-specific weather and road forecast information for selected highway locations throughout your city, county, district, or state. Forecasting hourly changes of the air and pavement temperature, dew point, humidity, wind speed and direction, cloud cover, precipitation rates, types, and accumulations.

FrezTrax Load Restrictions – Early warning for freeze/thaw cycles allowing for load restrictions that prevent damage to infrastructure. To reduce the damaging effects of freezing and thawing, use of load restrictions needs to come at the precise time.

Weather Information Benefits

- Forecasts delivered across all desired platforms: mobile (Android and iOS), emails, texts, web-based, and client-side applications
- Professional, personalized videos advising of upcoming and on-going inclement weather
- Consistent and seamless winter maintenance integration with maintenance units
- Reduced environmental exposure to deicing chemicals
- One-stop-shop convenience for complete weather information
- Safety for the traveling public

August 2016 Rev1

TÜV CERT ISO 9001:2008

Copyright © 2017 Iteris, Inc. All rights reserved.

NOTICE: Iteris, Inc. reserves the right to change product specifications without notice. Information furnished is for informational purposes only. This information may not be complete or the latest revision. For the most up-to- date information, please contact Iteris, Inc.

iteris®