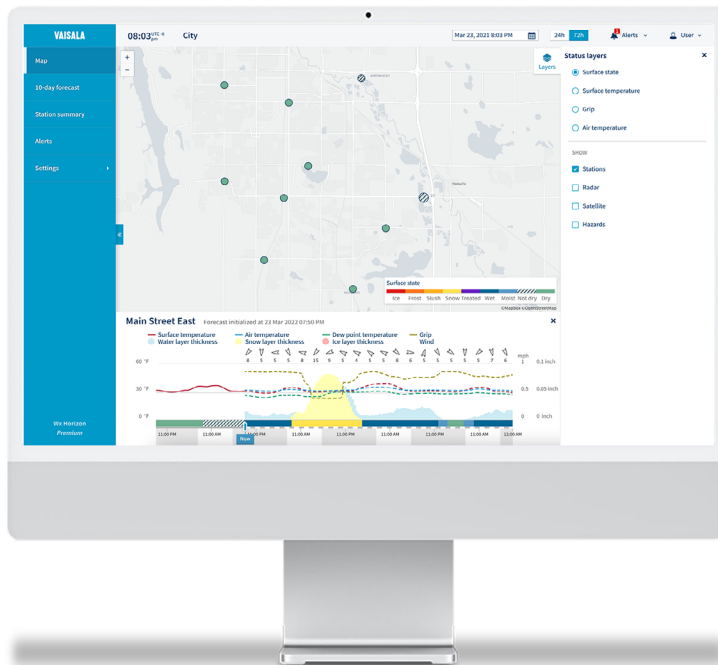


Vaisala Wx Horizon Premium

Bring actionable insights and predictions to your winter road maintenance



Key benefits

Plan ahead with confidence

Receive radar, 10-day atmospheric, and 72-hour forecasts created specifically for the pavement surface that show the impact of the weather on the road network — all in one package.

Get the ground truth with a connected road observation network

Integrates Vaisala Ground Cast Sensor for reference-grade measurements in a simple package for an easy, affordable way to get key road weather measurements. Deployable in any network location, the device allows enhanced pavement forecasts in Wx Horizon, enables treatment validation, and delivers insights into protection levels on the road network.

Gain peace of mind with integrated monitoring and alerts

Provides immediate alerts if any hazardous conditions are forecast to or appear on your road network. The solution monitors network conditions and informs you of changes that need attention.

Get forecasts for the most challenging areas on your network

Complement forecasts from measurement points with additional virtual point forecasts. Each location is user-defined to meet operational needs.

When it comes to winter maintenance, better decisions can save lives. You need to know what time the next storm will hit and which areas will be most affected.

Vaisala Wx Horizon Premium is a weather hazard impact portal that delivers insights into current and future road conditions. The fusion of accurate measurements with industry-leading weather forecasting and best-in-class road weather models delivers actionable information specifically for transportation.

There is no substitute for real-time measurement. Wx Horizon Premium leverages key Ground Cast IoT sensor measurements with fast deployment and reference-grade accuracy. An integrated alerting service saves time over continuous monitoring. Accurate measurements and powerful modeling, plus radar and 10-day atmospheric forecasts takes proactive winter maintenance to the next level — all in one simple subscription.

Wx Horizon Premium key features

- Provides long-term atmospheric and pavement condition forecasts using our proprietary road weather model
- Leverages data from Vaisala Ground Cast IoT sensors
- Alert notification system
- User-defined virtual pavement forecast points
- Uses a secure, cloud-hosted environment

Why Vaisala?

Expertise and innovation

We have built our expertise on more than 80 years of highly accurate observations. For decades, road maintenance agencies all over the world have trusted Vaisala to deliver a full service offering for measuring the weather. This can include site selection, designing and building, sensor maintenance, analytical processing of observations, and displaying intuitive, actionable information.

Each year we re-invest more than 10% of our revenue to drive innovation to ensure sustainable actions can be delivered on transportation networks around the world.

Support you can count on

With our deep understanding of the challenges faced by winter maintenance decision-makers, you can count on Vaisala for dependable support, training, and project management based on best practices. With decades of experience providing the best technologies and expert know-how, Vaisala's philosophy of partnership is unmatched in the industry.

Wx Horizon: Tailored to your specific needs

Choose from three levels of service to fit your organizational needs.

Wx Horizon Lite:

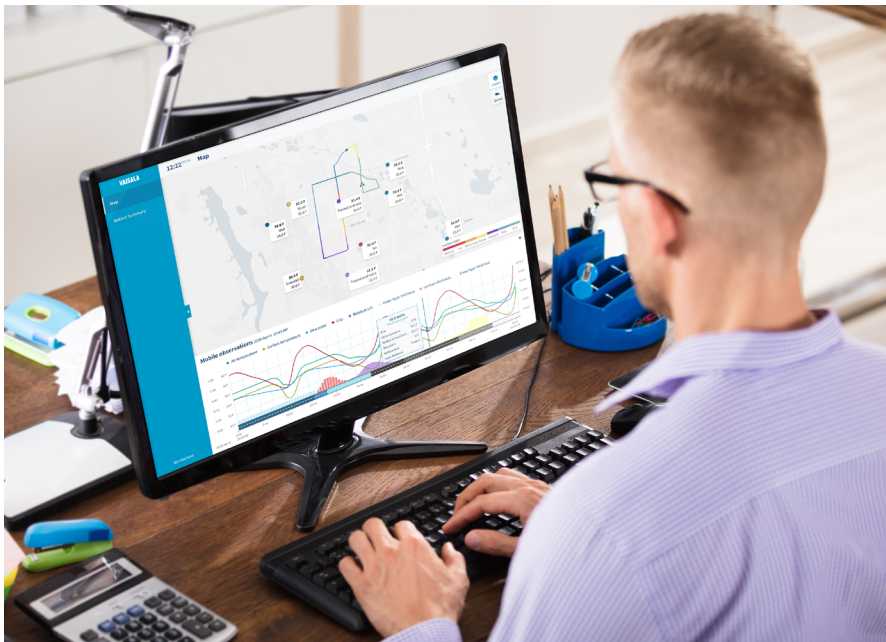
The simplest way to gain insight into current and future road conditions. Features 12-hour pavement forecasts for the local road network, national weather hazards, and a dashboard showing 10-day atmospheric forecasts. No road weather stations are needed to get started.

Wx Horizon Premium:

Deliver proactive winter maintenance by harnessing the power of a connected sensor network, enhanced forecasts and alert notifications. Provides 72-hour observation-enhanced pavement forecasts, road condition alerts and notifications, and 5 user-defined virtual forecast points. Connected IoT sensor network.

Wx Horizon Enterprise:

Saves time and provides valuable assistance with treatment recommendations specifically targeted to network operations. Includes a high-resolution assessment and future impact over the whole road network, plus real-time data from any measurement device including mobile sensors, performance measurement, and in-depth user administration.



VAISALA

hello.wxhorizon.vaisala.com



Scan the code for more information

Ref. B212106EN-B ©Vaisala 2022

This material is subject to copyright protection, with all copyrights retained by Vaisala and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Vaisala is strictly prohibited. All specifications — technical included — are subject to change without notice.