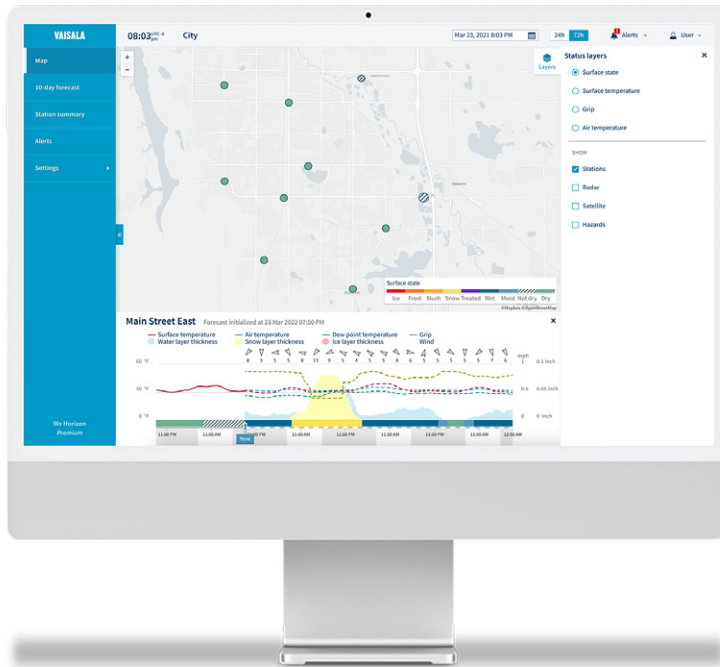


## Vaisala Wx Horizon Pro

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 GroundCast 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 Pro, part of our Xweather family of subscription based products, 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 Pro leverages key GroundCast 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 Pro key features

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

## Wx Horizon: Tailored to your specific needs

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

### Wx Horizon Lite:

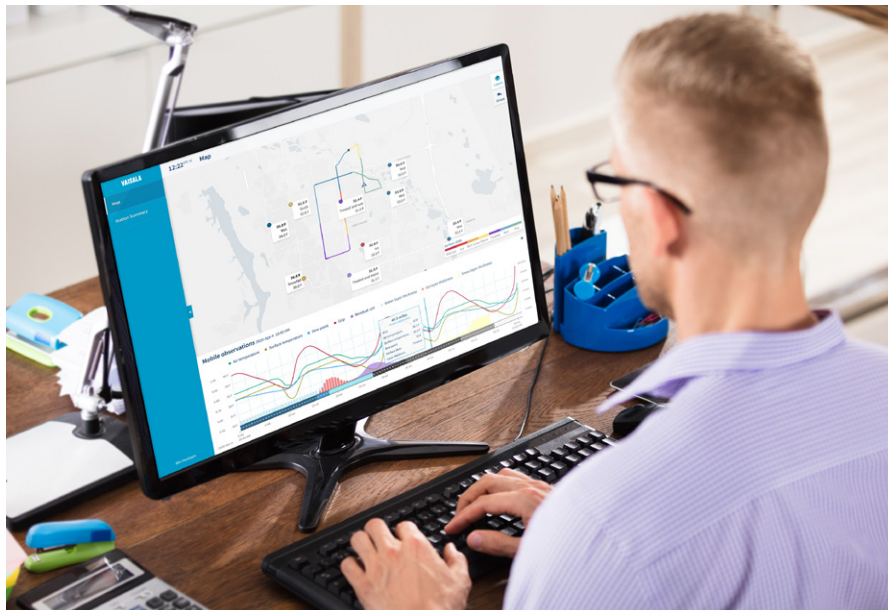
The simplest way to gain insight into current and future road conditions. Features 12-hour pavement forecasts for the local road network, national weather hazards, and a dashboard showing 10-day atmospheric forecasts. No road weather stations are needed to get started.

### Wx Horizon Pro:

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.



## Why Vaisala?

Vaisala's weather and environmental technologies enable unrivaled road network awareness — keeping roadways safe and efficient in any season.

As the gold standard for precision and reliability, Vaisala's holistic approach provides customers with end-to-end simplicity, valuable partnership, and a comprehensive portfolio of solutions that are constantly evolving. Our 85+ years of innovation are reflected in our guiding principles for roads:

### 1. Move ahead

Only Vaisala provides data of unrivaled depth and breadth while synthesizing it into objective decision support — so everyone can keep moving toward better, more insightful ways of operating.

### 2. Mobility and beyond

We deliver the right insights to the right people at the right time, enabling a wide range of stakeholders to act with confidence and achieve a comprehensive understanding of their road networks and the vehicles on them — creating better, safer outcomes for all.

### 3. The innovators

As a recognized industry expert, we continuously apply our knowledge and experience to create next-generation solutions that advance the industry; enabling stakeholders to innovate and optimize road networks like never before.

### 4. See, understand, decide

Vaisala gives users rich data intelligence that improves real-time decision-making as well as observation enhanced forecasting to enable strategic planning. With a better, fuller understanding of their road network, users can do their jobs more decisively and effectively than ever.

# VAISALA

[hello.wxhorizon.vaisala.com](https://hello.wxhorizon.vaisala.com)



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