# VAISALA

Vaisala Weather & Environmental Monitoring for Traffic Management



Vaisala Weather & **Environmental Monitoring** for Traffic Management gives agencies the equipment and sensing capabilities they need for comprehensive, real-time awareness of their road networks — in any season or situation. Built on the best road condition and weather sensors in the world, its accuracy and reliability are unmatched. Vaisala® technologies are robust and have been put to the test in every environment imaginable.

Vaisala Weather & Environmental Monitoring solutions are customizable and easily integrated. They are easily deployable as stand-alone systems or as a convenient part of a broader smart cities initiative.

Traffic management solutions are only as good as the data they use, which is why many customers come to Vaisala first to build their solution. In these cases, Vaisala often partners with other leading experts for data analysis and related tools — turning observations and data into scalable, full-stack solutions that can be customized to any situation or locale.

### Weather & Environmental Monitoring applications at a glance

The real-time road and weather data that these solutions provide can be immediately applied in many ways throughout a road network:

Specific, local traffic management notices	Provide motorists, pedestrians, and others with immediate situational awareness (such as "ice ahead," etc.) to improve safety and traffic flow.
Variable speed limit control systems	Make informed traffic adjustments using existing speed control equipment.
Rapid observations	Assess roadway improvements or prioritize fixes, increasing efficiency and effectiveness — even in off-seasons.
Wind warnings on bridges	Respond to dangerous and quickly changing conditions over waterways.
Multilane awareness and redirection	Proactively manage traffic to avoid or ease a known problem.
Environmental sensing (air quality, noise, etc.)	Provide additional value to smart cities or similar initiatives.

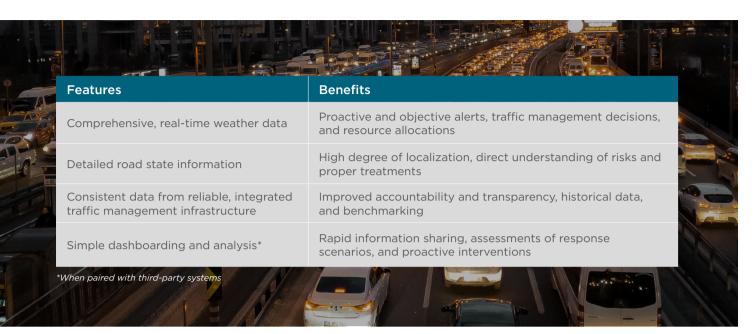
## Signaling and traffic light sequencing

Ensure smooth traffic flow at all times.



#### Vaisala Weather & Environmental Monitoring for Traffic Management

Insights and benefits summary





#### The weather won't yield. But it can be understood.

Mother Nature will always challenge us, but Vaisala Weather & Environmental Monitoring gives agencies — and the citizens they serve — confidence and safety when they need it most. It's a modern, flexible solution that's responsive to today's challenges — and it's available to you now.

### Vaisala is here to help

From sensors to systems and digital services, Vaisala gives road stakeholders unrivaled road network visibility and decision support — so everyone can keep moving toward better, more insightful ways of operating. We are recognized experts in transportation, and we continue to channel our curiosity into new ways of making roadways safer and more efficient than ever — as reflected in our guiding principles:



Move ahead



Mobility and beyond



The innovators



See, understand, decide



