VAISALA

Vaisala automotive infotainment (weather & road weather)
Accurate weather data to enhance in-car user experience and promote road safety

Today, automotive infotainment systems serve many purposes: from promoting safety to maximizing convenience, from engaging drivers and passengers to elevating the in-car user experience. For each purpose, Vaisala's automotive infotainment service, part of our Xweather family of subscription based products, delivers high-quality and accurate weather data to optimize system functionality, end-user experience, and — ultimately — safety.

Approximately every fourth accident on the road is related to weather, yet even in new model cars, drivers still receive very little support or real-time data about weather or driving conditions from in-vehicle technology. Meanwhile, drivers increasingly expect a seamless digital user experience that allows them to effortlessly connect to content from the road. Vaisala's automotive infotainment service addresses these needs by providing precision road weather information in all conditions to help drivers stay safe while conveniently optimizing route and travel times.

Key benefits

Highest data quality
The quality of Vaisala's weather and road weather data is first-rate, consistently ranked in the industry's top three by thirdpartyanalysts.

Drives innovation and value
Vaisala automotive infotainment weather data service provides high-precision data to support the development of next-generation and advanced in-car infotainment systems by OEMs and product manufacturers.

Increased driver engagement and customer loyalty
Accurate road weather data and convenient route planning and safety features increase driver engagement, promoting both customer loyalty and service subscription sales.

Optimized end-user experience
Automotive infotainment road weather services enhance the in-car experience of drivers and passengers alike, promoting safety in all types of weather while maximizing convenience and time saving features.

Road weather services for infotainment at a glance

Applications

- Offerings include highly accurate and robust APIs, including Weather API, Weather Maps API, Road Weather, Weather Warnings, and a Severe Weather API.

- Each API incorporates global and local forecasts and can be customized with add-ons and extensions.

- Supports the development of advanced in-car weather infotainment products, expanding into services for real-time information about parking conditions, weather-related vehicle care and maintenance, and commute and travel planning.

Key features

Comprised of accurate road weather data that covers broad geographic areas instead of a particular region, country, or industry-related sector.

Digital native offering built specifically for location-based used cases, enabling users to access data for any coordinates.

Built on a foundation of 20+ years of road weather experience, with strong partnerships with Bosch, BMW, Daimler, TomTom, and other industry leaders.

Flexible and easy procurement and deployment supported by Vaisala's customer care before and during service.

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.

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