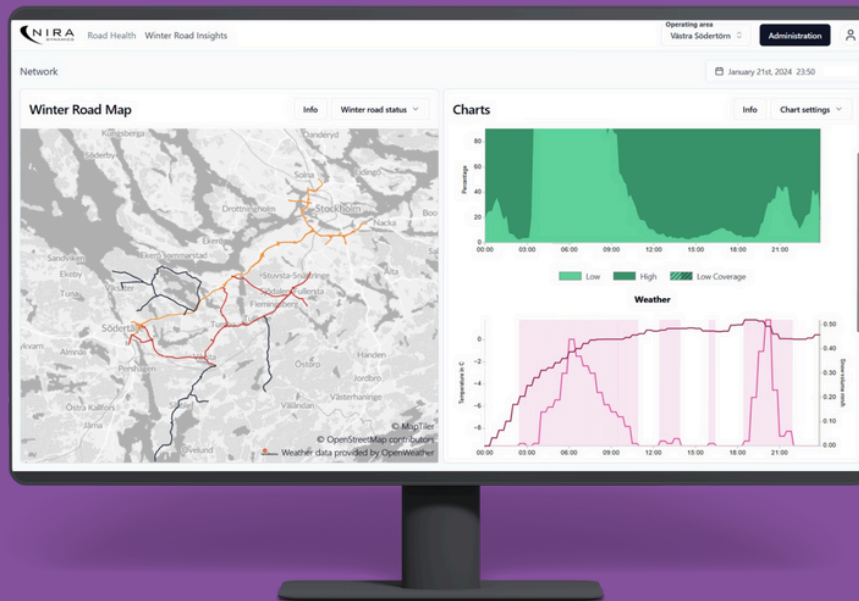


Winter Road Insights Product Description



Product Summary

Winter Road Insights offers a real-time monitoring of road conditions with the purpose of quality assurance and situational awareness for everyone planning, executing and evaluating winter maintenance.



Winter Road Insights utilizes data from a two million vehicles and still growing.



Data Types

- Experienced friction
- Air temperature
- Wiper speed / wetness



Main Use-Cases

Situational awareness

Real time friction data provides insights in how the road state is developing. When things are getting bad as well as results of mitigating actions.

When roads are getting better, winter maintenance crews can be confident that the actions were correct.

When roads are getting worse, winter maintenance crews is immediately alerted that something unexpected is going on.

Strategical Support

Friction data is used for measuring the result of winter maintenance. *If you don't measure, you can't improve.* Improve performance and reduce costs.



Tools

- Map view: Live and historical data
- Charts: Changes in friction and weather
- Alerts: Text messages and email
- Analytics: Insights based on historical data
- Reference Network : Compare results with other roads
- API: Integration in other systems

The service is available through API and Road Insights all year around. Only data from winter months (october-april) is accessible. The two last winter seasons are always available, older data is available through data export to file.

Friction Map Layers

The map layers helps the user understand the road condition both on a regional and a hyper local level.

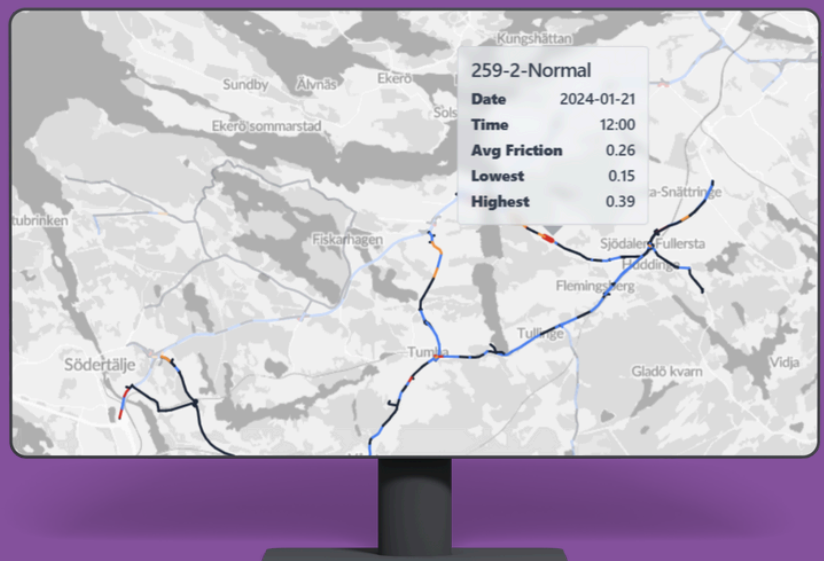


- Critical condition – Above 25% low friction measurements
- Good conditions – Below 5% low friction measurements
- Below standard conditions – Between 5% and 25% low friction
- Low coverage – Not enough measurements to determine the winter road status

Detailed Friction

Friction values are displayed on 500-meter road segments.
The following values are available:

- Average friction
- Lowest friction
- Highest friction



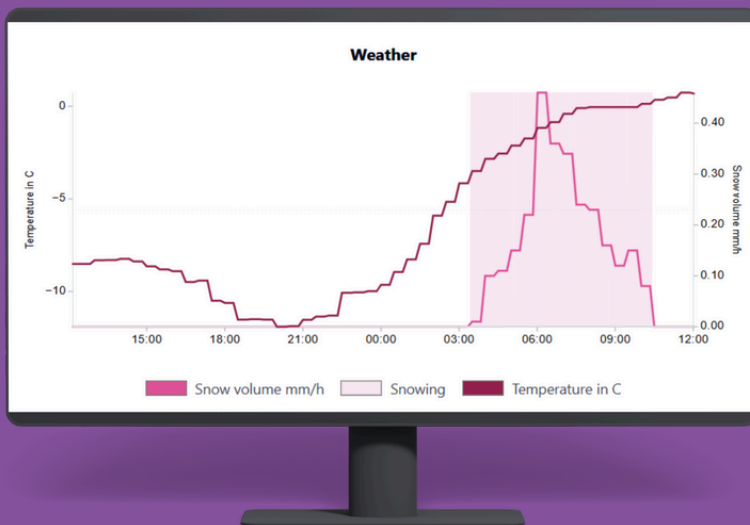
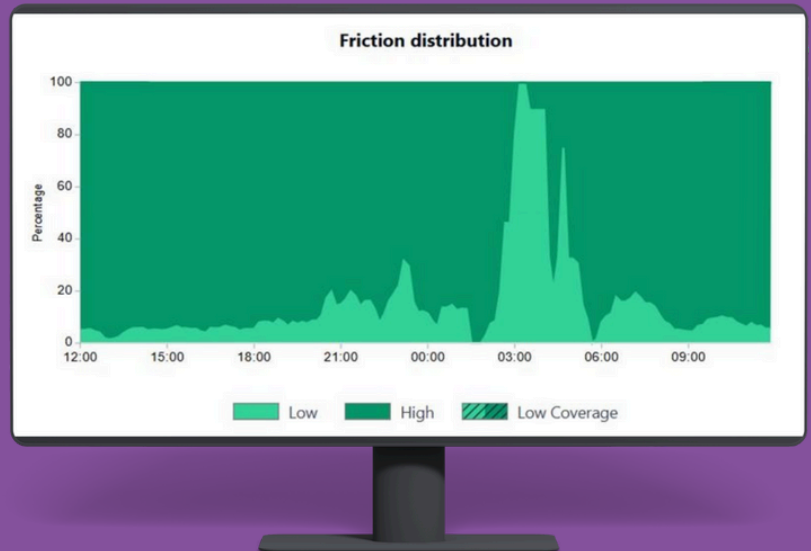
Charts

The charts helps the users understand the development over time, both in hindsight as well as real-time.

Friction Distribution

Shows the development of road condition over time. For example, how the situation becomes worse as winter weather occurs and how winter maintenance actions improves it.

- Low Friction
- High Friction



Weather

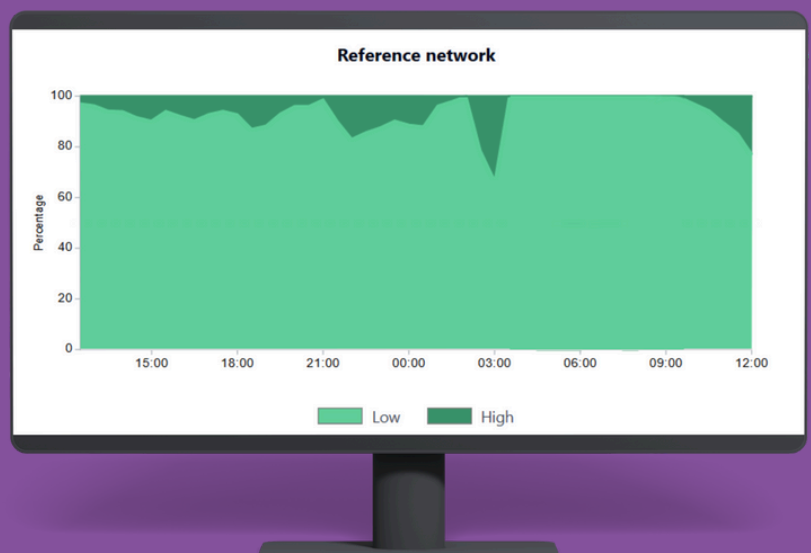
Shows the temperature and snow precipitation over time. Very powerful in combination with the friction distribution for understanding what lead up to the situation.

- Snow Volume mm/h
- Snowing
- Temperature in C

Reference Network

Roads outside of the specified road network is used as a reference. This chart tells if the decisions was right or not i.e., usable to identify over- and under-production as well as when everything is done right.

- Low Friction
- High Friction



Book a demo

Contact an expert by choice to book a demo of Winter Road Insights



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