

RWIS Solutions For Professionals

INTRIN<sup>W</sup>AY

Making roads safer.



Intrinsic



# RWIS Solutions For Professionals

Intrinsic offers Road Weather Information Systems (RWIS) for road weather professionals. Our product range covers RWIS solutions from back-end applications to monitoring and decision support tools.

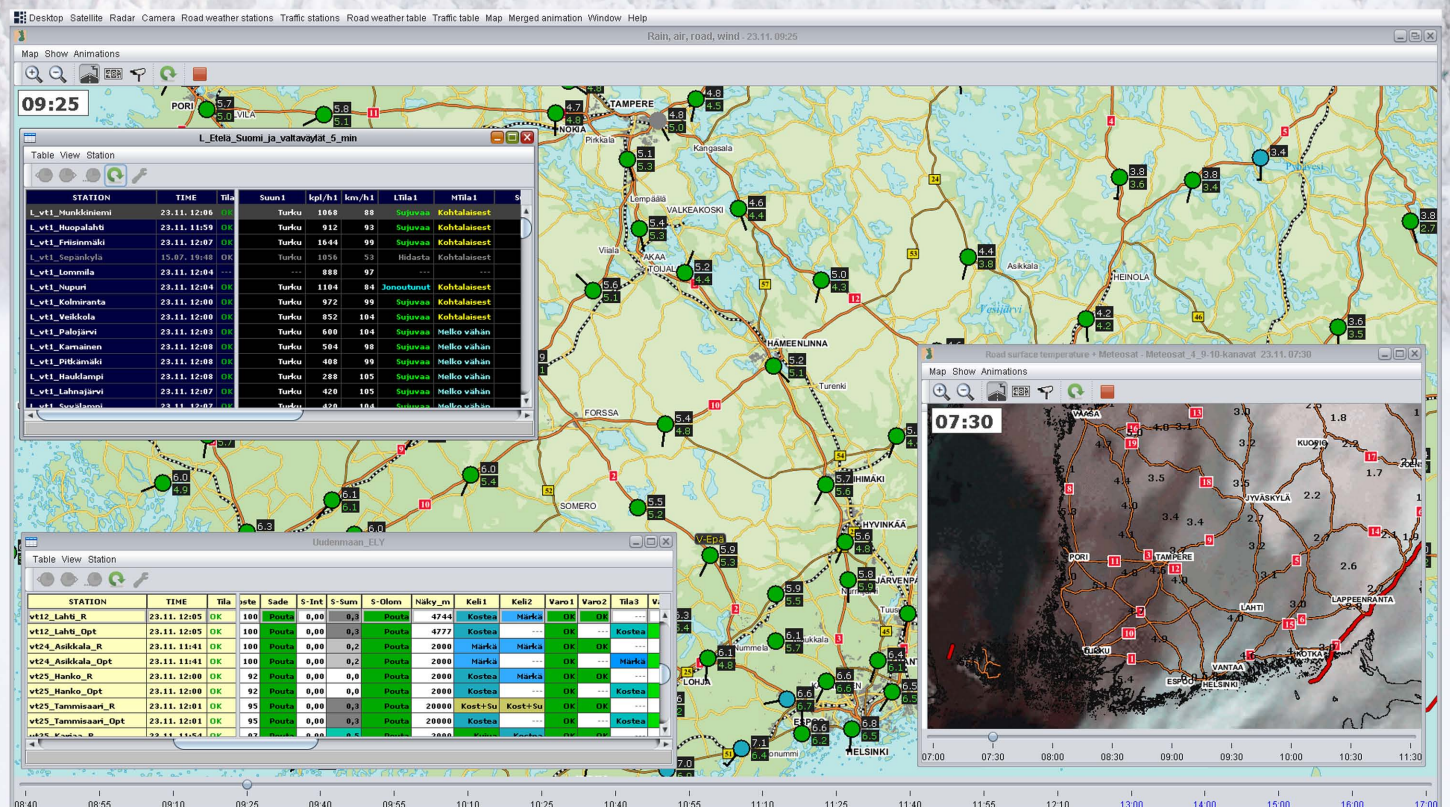
A RWIS back-end application collects and refines information from road weather stations, traffic stations and cameras and stores it into a database. IntrinsicWay is a professional road weather solution for road operators and traffic centers. IntrinsicWay provides excellent tools to monitor road weather and road conditions in order to make the right decisions for road maintenance.

We also offer customized auxiliary RWIS solutions, such as interfaces for traffic control systems and ERP solutions for road maintenance.

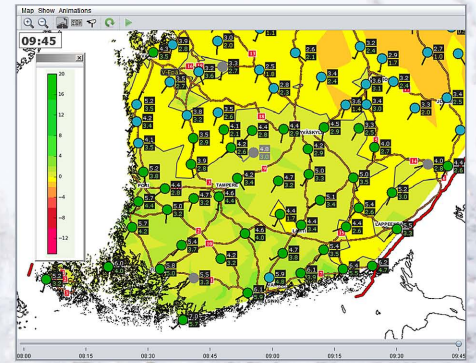
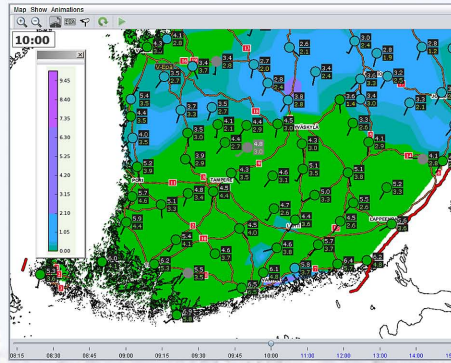
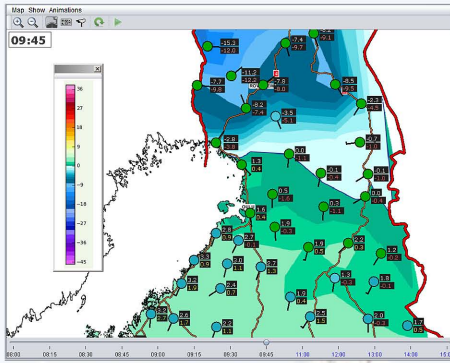
## IntrinWay

IntrinWay is a road weather monitoring and decision support application for road maintenance professionals as well as for traffic centers and research units. The main features of IntrinWay include:

- Weather, traffic and road surface condition monitoring based on intuitive visualization of observations and forecasts
- Radar and satellite pictures are available in a single application
- Visualization provides decision support for proactive measures, timely skid prevention, fast fleet mobilization and optimized road salt usage
- All necessary information is available at a single glance. Multiple windows with different information can be displayed on the same screen at the same time
- Predefined, named schemas for each window-type. Users can predefine various schemas with different data to be displayed according to the window type. Accessible by just clicking the name of the schema from a list
- Requires no box-ticking to select the displayed information
- Seamless integration with station hardware maintenance applications

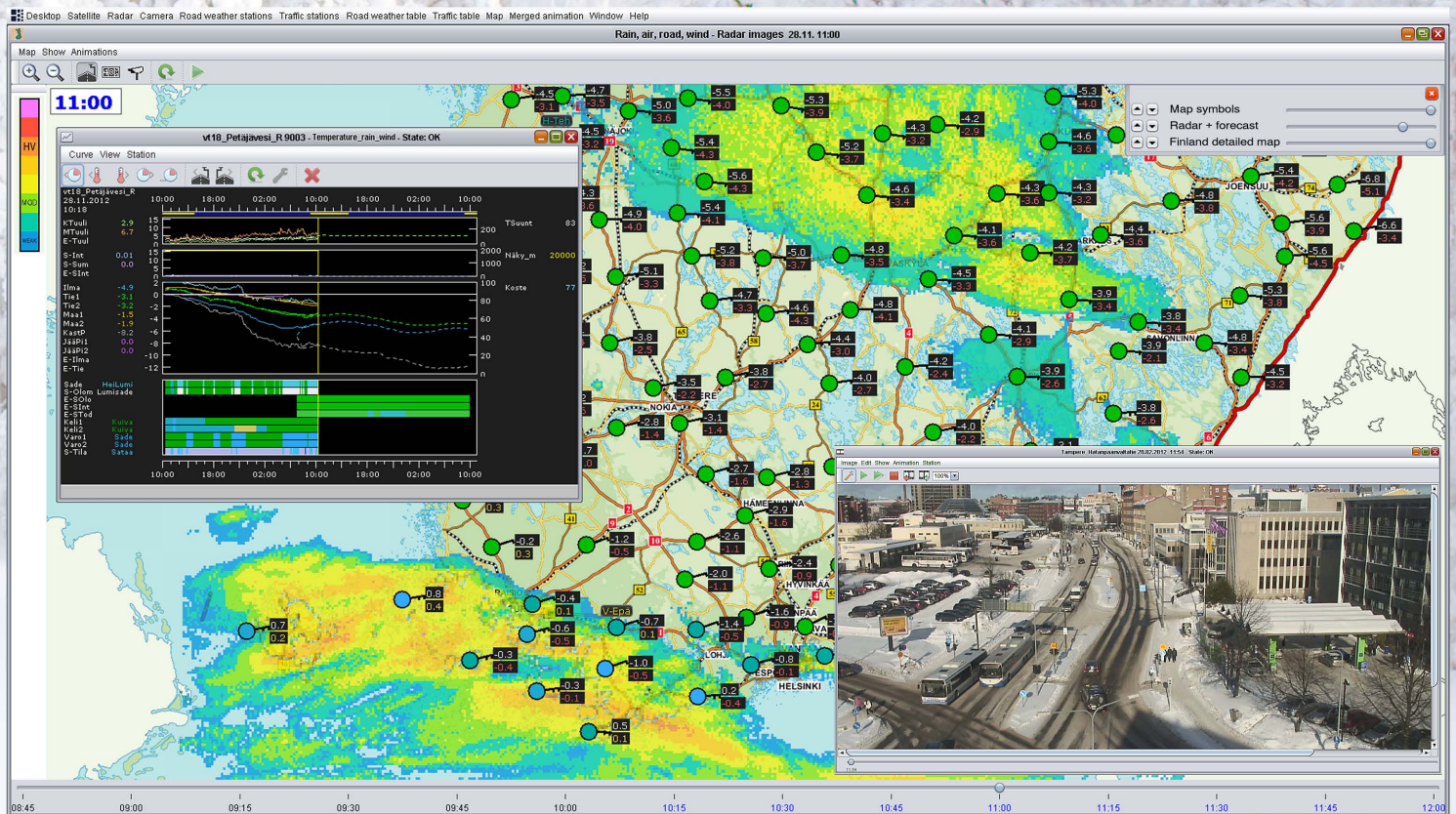






## Gradient window

- Displays animated gradient maps of defined sensor values (air temperature, RST, dew-point, etc.)
- Animations continue seamlessly from observations to forecasts when available
- Users can freely change the order and opacity of the map layers in a map window



## Weather radar window

- Radar pictures can be animated in the map window or in a separate radar window

## Road weather graph window

- Illustrates measurements and forecasts of the most essential road weather sensor values in a single view as a time series
- Overall weather and surface conditions are displayed using easily readable color-coded status bars
- Can be opened simply by clicking the station symbol in the map window

## Traffic Graph window

- Illustrates the present traffic flow and statistics, such as the average speed and the traffic density

## Weather camera window

- You can display an animation of the pictures from one camera or those from several cameras in a series
- Opens by clicking the camera symbol in the map window

## Table window

- All station measurements are displayed in configurable tables
- Table windows can be used to display both road weather and traffic data measurements at different stations

## Weather satellite window

- Can be used to animate weather satellite pictures
- Different satellite picture types (e.g. Meteosat ir, NOAA ir) can be animated simultaneously in separate windows



## RWIS back-end

- The back-end system is the heart of a RWIS, in charge of collecting, refining and storing road weather, camera and traffic information
- Scalable, open and modular. Grows with your installation from tens to thousands of stations and cameras. Communicates with various station and camera hardware. Open interfaces allow easy addition of new application modules
- Provides easy access to information via open interfaces. Typically, these interfaces are used by end-user applications for road maintenance professionals, traffic control systems, road weather modeling, analysis and forecasting applications, value-added solution providers and public services such as TV and radio
- Interfaces for importing data from other systems, e.g. forecast data, radar and satellite pictures, as well as observations from other systems
- The RWIS software management and monitoring is based on a centralized management server, which stores all operational parameters, manages the metadata of stations and cameras, and keeps a log of system operation data

## Support and services

We are committed to maintaining and developing the systems we deliver – Throughout their lifecycle, in a long-term partnership with the customer. We offer full customer services:

- System maintenance
- Metadata maintenance
- Monitoring and optimization of system operation
- Customized help-desk services
- Services based on a tailored service package
- Customer-specific solutions and system integration

## Intrinsic Ltd.

Intrinsic Ltd. is a Finnish software company established in 1984. We provide selected customer segments with high-standard systems for information collection and management. Our solutions are divided into road weather information and traffic management systems and industrial quality control systems – all designed to facilitate the management and optimization of changing conditions.

We have a solid understanding and experience of providing added value to our customers. A maximized return on system investments is ensured through timely implementation and delivery. We do not make commitments that we cannot deliver as agreed.

In winter, the cold and snowy Finnish climate creates extremely challenging road conditions. Our solutions have been the backbone and the front-end of Finnish RWIS from the beginning.

The quality of information systems is premised on the understanding of customers' business and also requires professionally competent personnel, disciplined production processes and an end-to-end management approach. Intrinsic's software production process is continuously tested by both customers and independent bodies for the ability to deliver high quality. Our quality system has been ISO 9001 certified since 2004.



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