



ROADSCANNERS

ROAD DOCTOR MAINTENANCE CONTROLLER (RDMC)



Road Doctor Maintenance Controller - RDMC

Real-time road condition monitoring



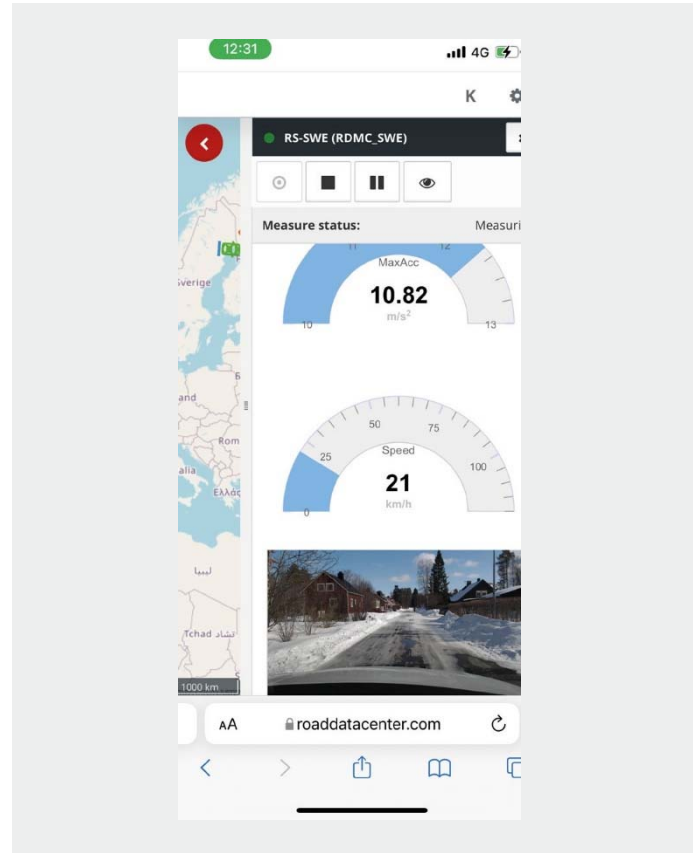
What can be monitored and reported?

- Rutting
- Roughness
- Potholes
- Crossfall

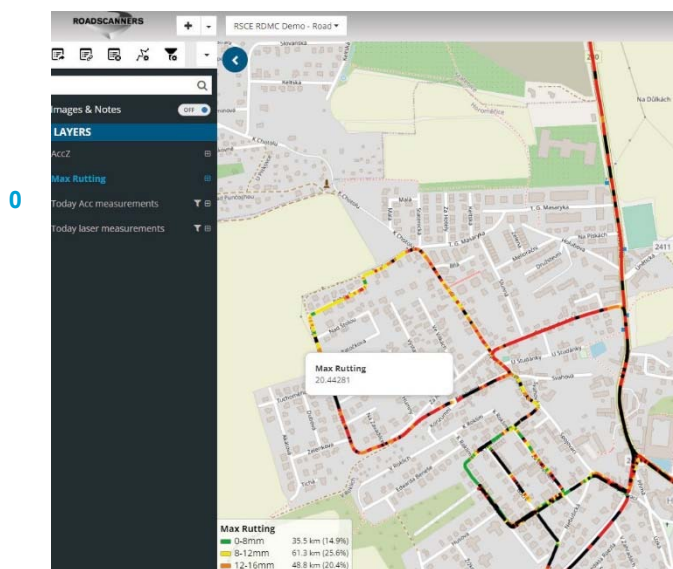
Real time automated road condition monitoring systems have several advantages. They can be used in routine follow-up maintenance vehicles whilst road owners or maintenance contractors are visually checking the condition of the road network.

Benefits include:

- All data is automatically stored in cloud with coordinates, which is difficult to be done manually while driving the vehicle.
- Objective results of the road condition across different areas enable comparisons of the performance of the daily maintenance contractor, especially on gravel roads but also on paved roads and also during winter conditions.
- New and very valuable information can be gathered about the changes in the road condition over different seasons.
- The system can measure even small changes after a re-habilitation or repaving exercise and can highlight potential problems during the guarantee time. This can be a learning experience for everyone on the functionality of different types of measures and actions to fix road problems. This will be a key issue when moving towards proactive maintenance



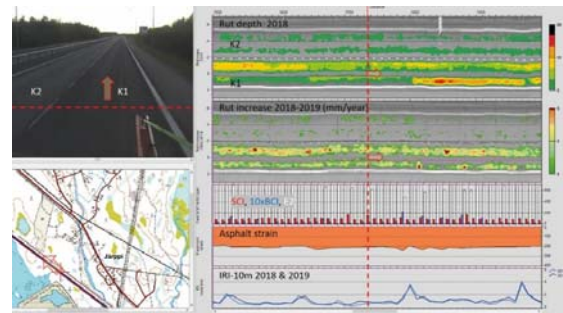
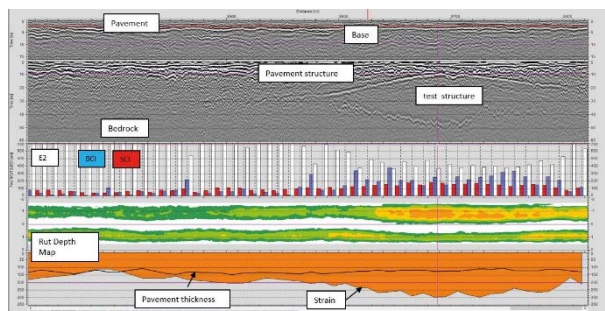
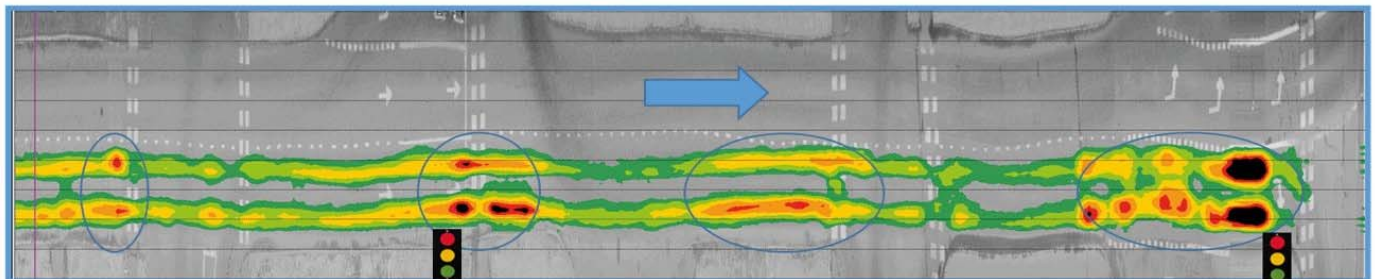
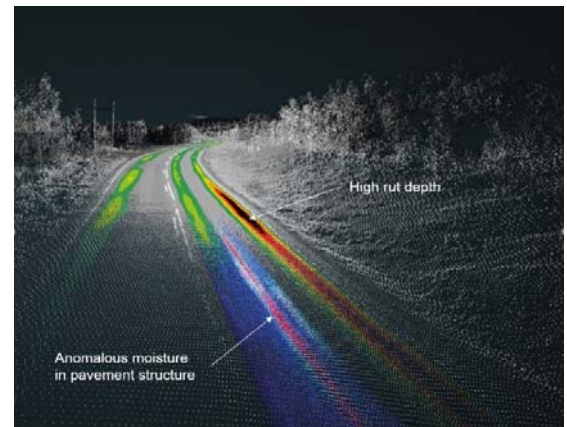
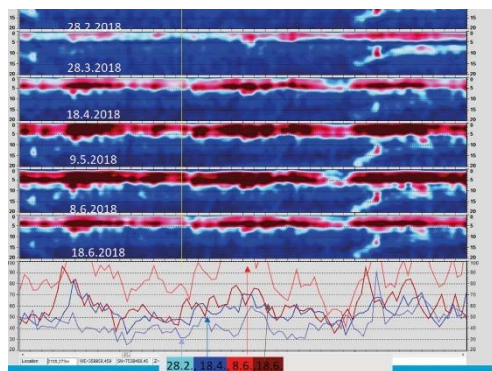
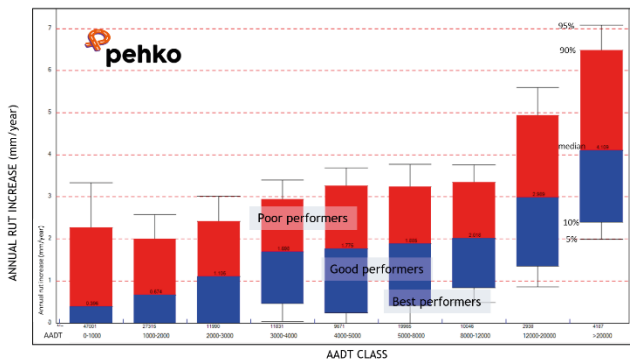
- Feedback from road users will be easier to answer, and react to, when the latest results and photos of specific road sections will be able to be seen via computer or cell phone screen from the web
- Feedback can be given to the daily maintenance contractors based on objective survey data.



Output Page

Collected and processed data can be shown in several ways like for example Road Doctor 3 software output, maps, 3D videos, tables and pictures.

Here are some examples:





Professionals in the Fields of Traffic Infrastructure Management and Design, Geosciences, and IT.

Roadscanners is a Finland based company specialized in developing tools and services for traffic infrastructure asset management. The main focus of the Roadscanners' activities is structural and functional condition monitoring and analysis of roads, streets, bridges and airports.

Its key expertise has been in the development of the use of new digital electromagnetic non-destructive methods, such as ground penetrating radar (GPR), laser scanner, accelerometer, HD and thermal camera linked together with GPS, in the monitoring and diagnostics of roads, streets, bridges and airports.

Roadscanners believes that, in the future, proactive maintenance policies that react to the early phase symptoms and fix the root cause of the problem will play a key role in the next generation road asset management. Recently, the company has also been focusing on the area of intelligent transport system (ITS).



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