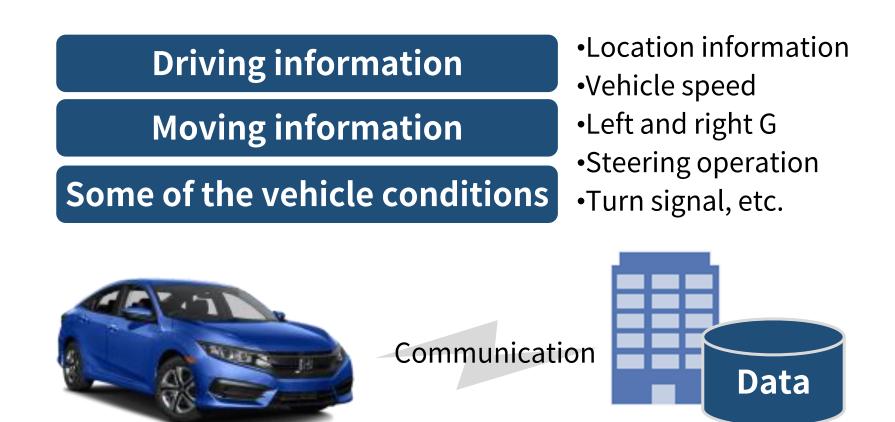
Road Hazard Condition Monitoring System

Objective

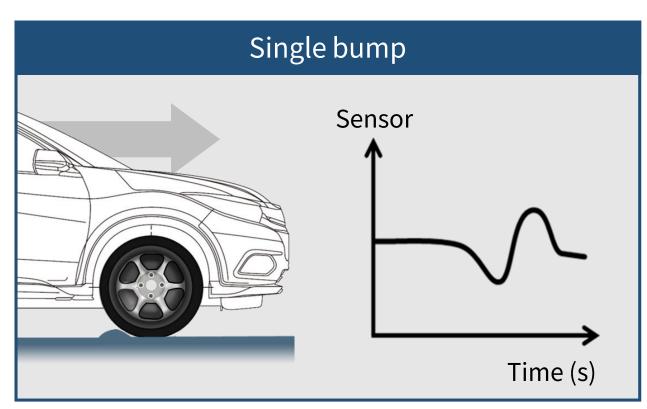
We aim to perform maintenance and degradation prediction considering the current road situation by utilizing mass-produced vehicles to constantly monitor the road conditions. That will enable road management with lower costs and greater timeliness.

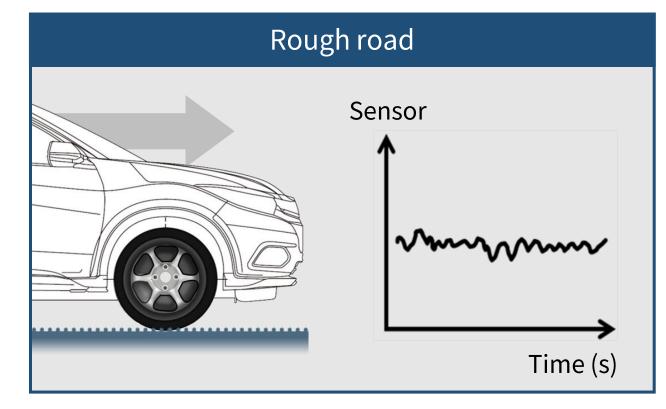
Technical Content

Detects and recognizes the road situation by utilizing mass-produced vehicle data: pothole detection, road surface degradation estimation and degradation prediction



Estimates the road surface conditions utilizing G sensors and other technologies



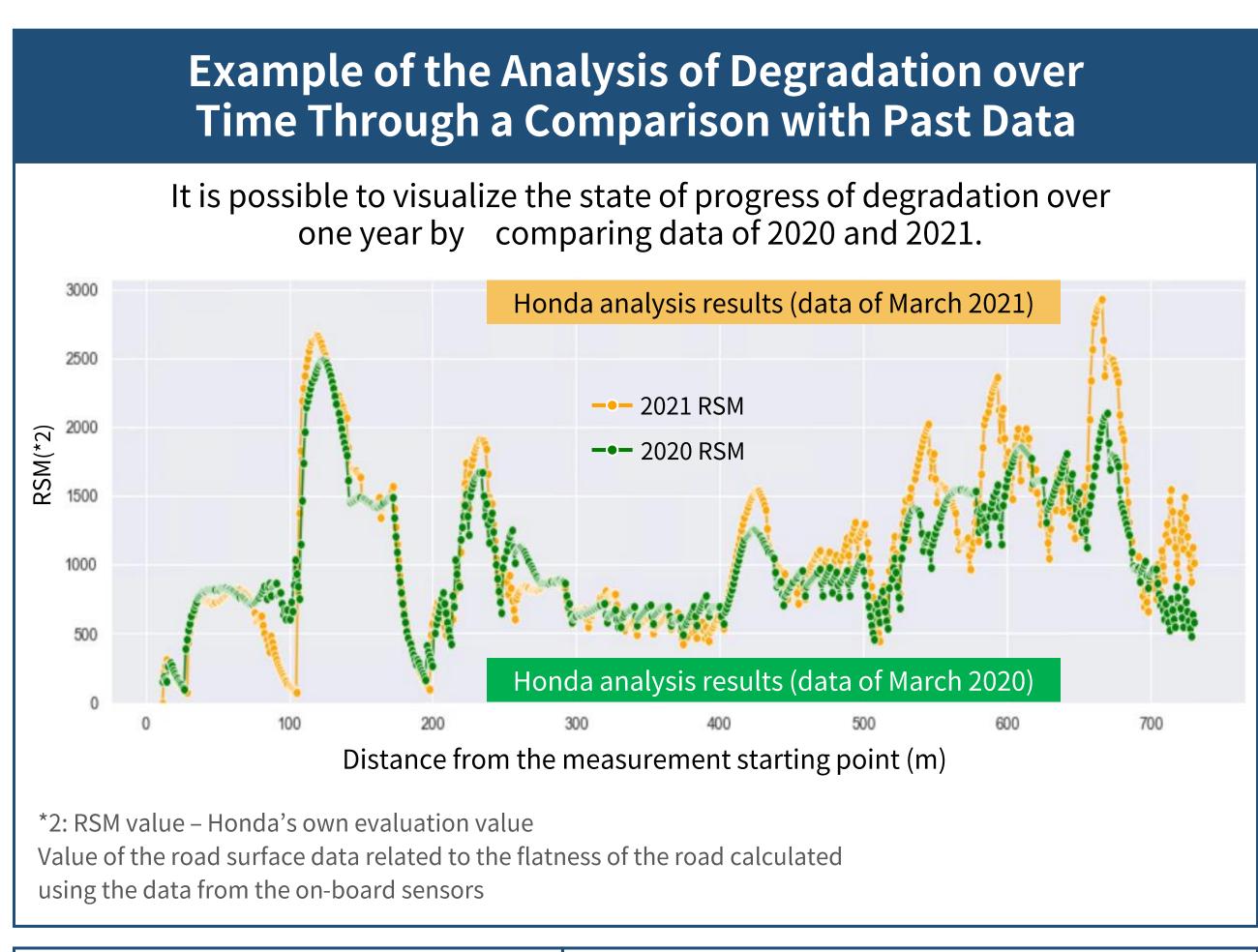


Technical features

The system is strongly related to the IRI*1 international standard index for road management. The technology provides constant monitoring, so the following forms of analysis are possible.

- It is possible to detect potholes in real-time.
- It is possible to analyze degradation over time with high precision.

*1: International Roughness Index





In collaboration with the Japan Ministry of Internal Affairs and Communications

