



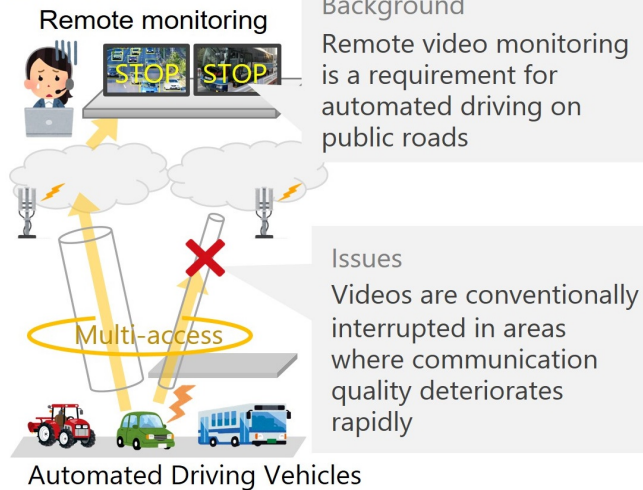
Background

Remote video monitoring is an essential requirement for driverless automated driving on public roads. Highly reliable wireless networks are required for remote monitoring of moving vehicles, but changes in the communication environment can cause interruptions in the monitored video.

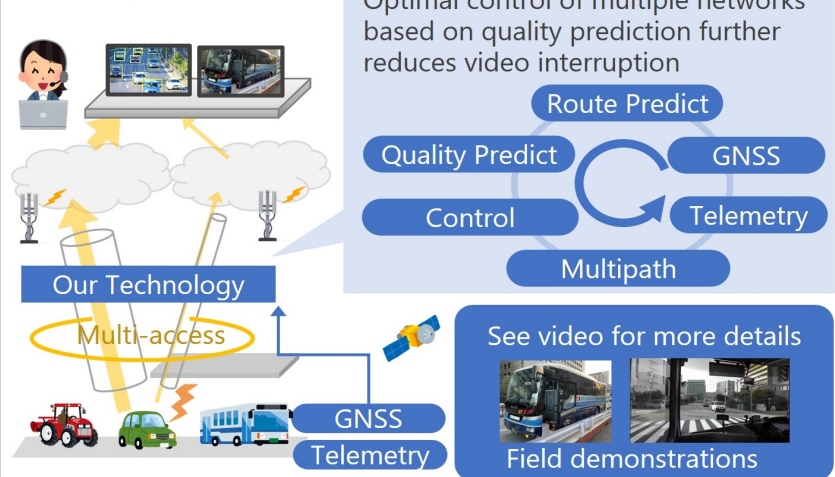
Summary

Highly reliable networks are realized by optimally switching and using multiple networks together based on the prediction of future communication quality using location information. Field tests have confirmed that this technology reduces video interruptions better than conventional technologies.

BEFORE



AFTER



Features

- **Quality Prediction:** Highly accurate communication quality prediction by using two complementary prediction algorithms together with location information and quality history
- **Multi-path communication:** Stateless end-to-end virtual network allows flexible switching and use of multiple networks for a large number of connected devices
- **Cooperative control:** Optimal combination of proactive or reactive switching and use of multiple networks to achieve a highly reliable network

Future_benefits

This technology enables stable remote monitoring and contributes to the provision of safe and secure automated driving services.

Exhibiting Company

NIPPON TELEGRAPH AND TELEPHONE CORPORATION

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