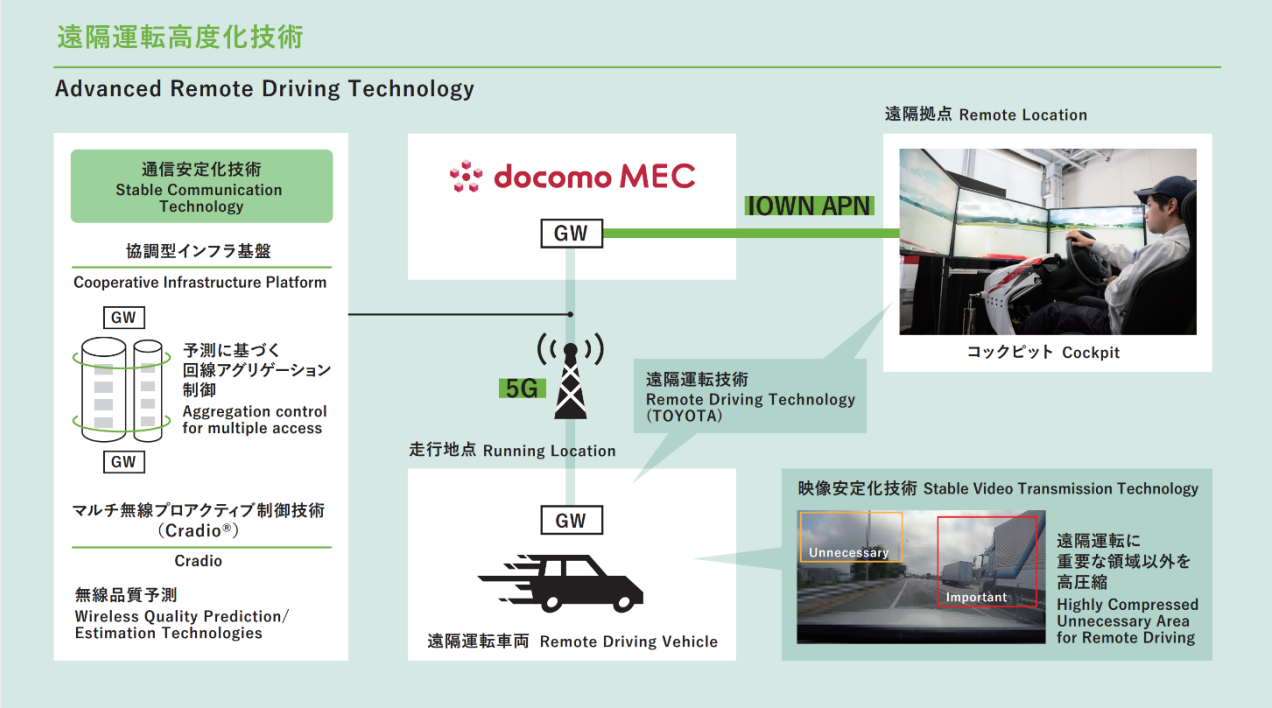
Video-transmission technology provides low-latency and uninterrupted remote driving

Advanced remote driving technology

Background and Technical Challenges

In remote driving, it is necessary to transmit real-time video of the vehicle's movement to a remote location. Depending on the quality of the communication, there can be delays or interruptions in the video, which can hinder operations.



R&D Goals and Outcomes

Stable remote driving is achieved through proactive communication control and efficient video transmission.

Key Technologies

01 Core Technologies

- Stable communication technology by aggregation control for multiple access according to wireless quality predict.
- Stable video-transmission technology that transmits highly compressed except for areas critical to remote operation.

02 Key Differentiators

More stable remote driving through proactive communication control and efficient video transmission.

Use Cases	Mobility & Transportation	**R&D phase**	Research
Technology Schedule	FY25–26	**Commercialization Schedule**	FY27–29

【Exhibitors】
Mobile Innovation Tech Department, NTT DOCOMO, Inc.

【Co-exhibitors】
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