

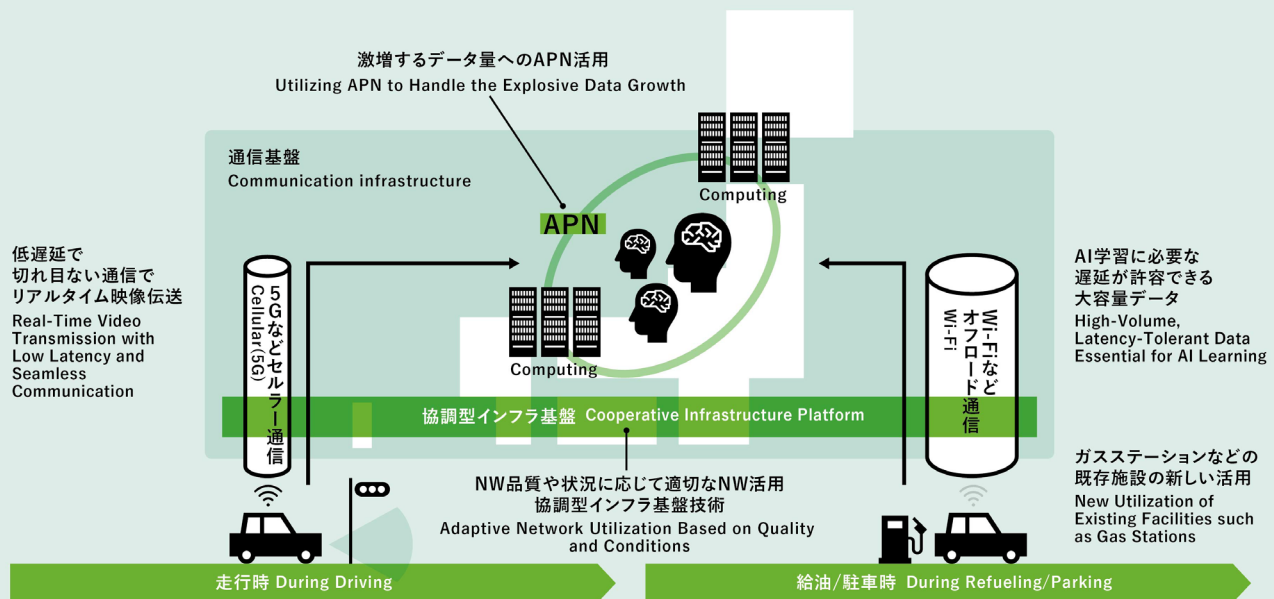
Achieving both real-time data transmission and cost-efficient transfer of high-volume data Communications infrastructures to supports mobility AI

Background and Technical Challenges

Advancing autonomous driving requires extensive collection and processing of vehicle big data. However, relying solely on conventional cellular networks poses challenges in accommodating data with varying latency requirements due to bandwidth limitations and congestion-induced delays.

モビリティAIを支える通信基盤

Communications Infrastructures to Supports Mobility AI



R&D Goals and Outcomes

By leveraging Cooperative Infrastructure Platform and implementing multipath and QoS control that integrates multiple wireless networks, we establish a communication platform that efficiently collects vehicle big data and supports mobility AI.

Key Technologies

01 Core Technologies

Multipath and QoS control across cellular and Wi-Fi networks optimizes data transmission based on vehicle data characteristics and link quality, enabling efficient collection of both low-latency and high-volume data.

02 Key Differentiators

Achieving both real-time data transmission and cost-efficient transfer of high-volume data through dynamic multipath control and QoS management.

Use Cases Mobility & Transportation

R&D phase Business

【Exhibitors】

NTT IOWN Integrated Innovation Center

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AECC (Automotive Edge Computing Consortium)

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