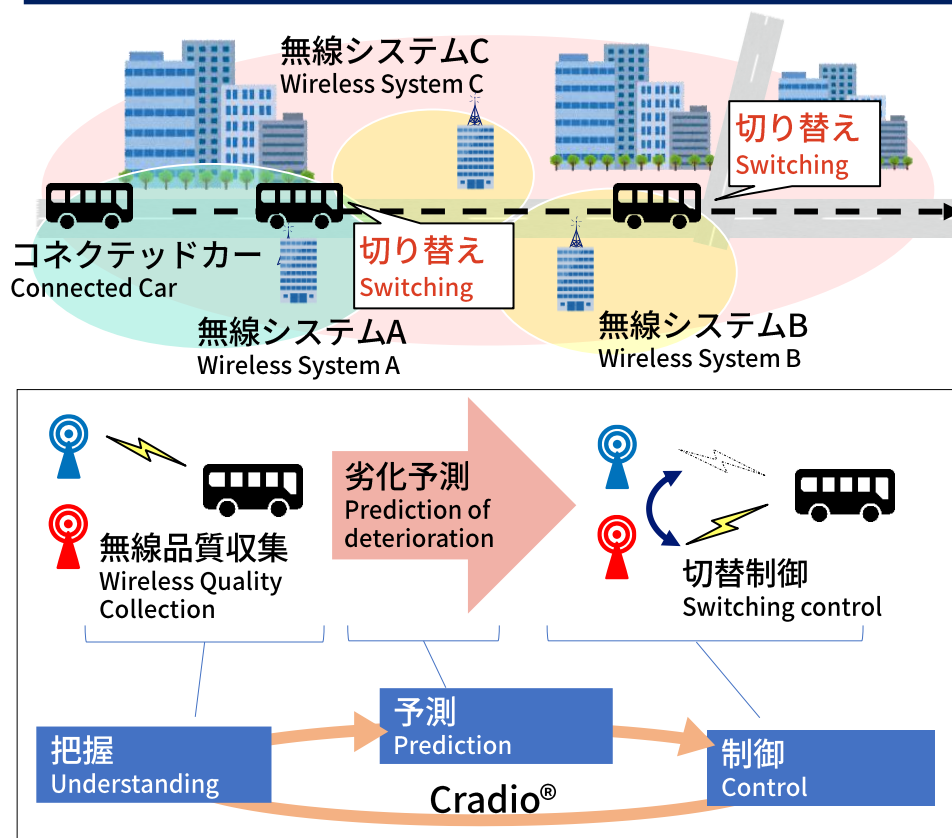## Cradio® technology for comfortable and continuous wireless connectivity

Network operators will help realize advanced use cases such as automated driving through integrated wireless control

#Customer Experience Value Creation #Productivity Improvement

複数無線を組合せた繋がり続けるネットワークの提供例
Example of providing a network that keeps you connected by combining multiple radios

無線システムC
Wireless System C

切り替え
Switching

コネクテッドカー
Connected Car

切り替え
Switching

無線システムA
Wireless System A

無線システムB
Wireless System B

劣化予測
Prediction of deterioration

無線品質収集
Wireless Quality Collection

切替制御
Switching control

把握
Understanding

予測
Prediction

制御
Control

Cradio®

///Technical Issue

Considering the differences in interfaces and characteristics, it is not realized to use equipment from different manufacturers or to integrate wireless and optical systems.

///Research Goal

Integrated design and control, including wireless quality prediction, contributes to higher quality and lower cost for businesses that utilize wireless.

---Technology

The algorithm for wireless design derivation that takes into account multiple systems and optimizes the design in various dimensions without requiring wireless design skills. Real-time understanding of the environment and prediction of wireless quality based on the characteristics of each location.

---Novelty

Provides wireless connectivity through the coordination of understanding, prediction, and control technologies. Furthermore, by supporting multi-vendor equipment and multi-systems, we have realized a one-stop, skill-less wireless design and operation process.

---Applicable Business

Utilized for the expansion and evolution of industrial DX use cases using wireless communications, including remote control of drones, etc., and automated automobile driving, etc., in the integrated wireless utilization solution business using self-owned and public wireless systems (Timing of service provision: Some multi-vendor design, control, and forecasting technologies have already been commercially introduced. Advanced forecasting technologies for automated driving will be introduced around 3Q FY2026).