Envisioning Mobility in Green Digital Society

TOYOTA MOTOR CORPORATION Ryokichi Onishi

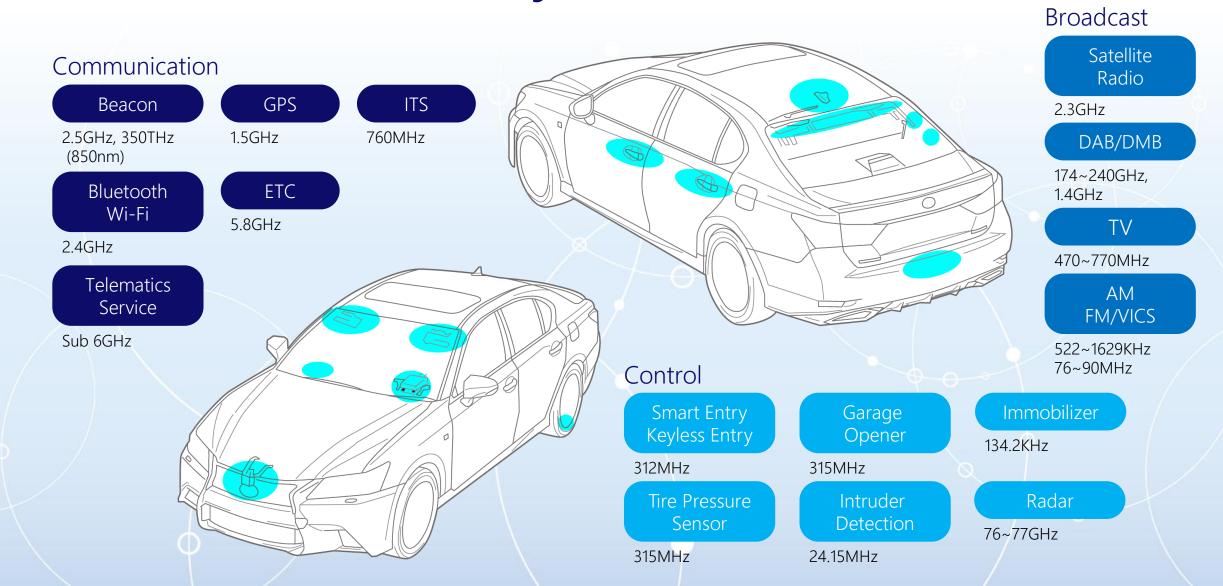


TOYOTA





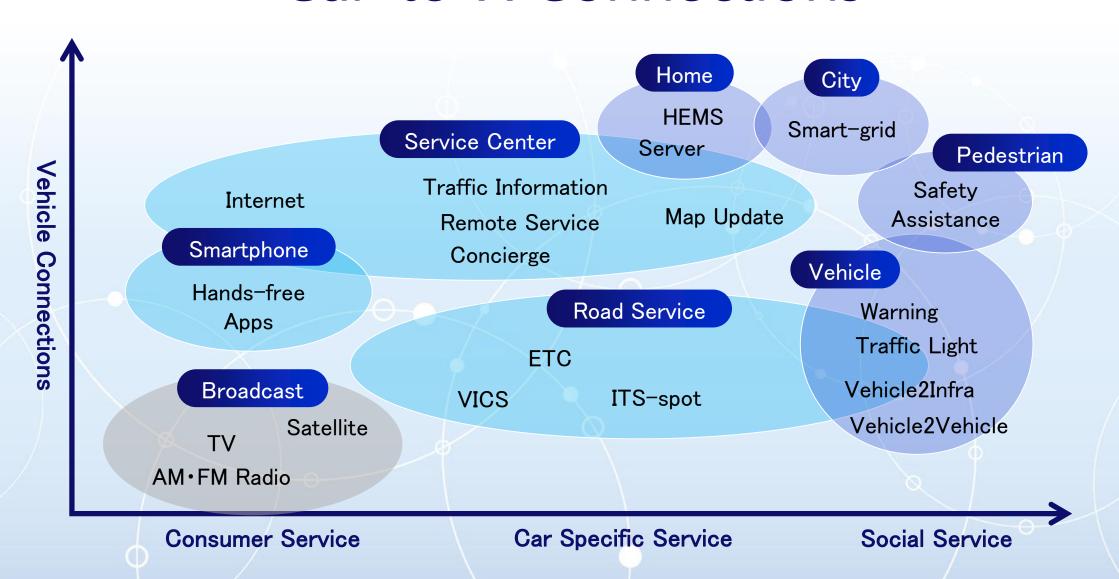
Radio Systems in Cars







Car-to-X Connections







Telematics Services

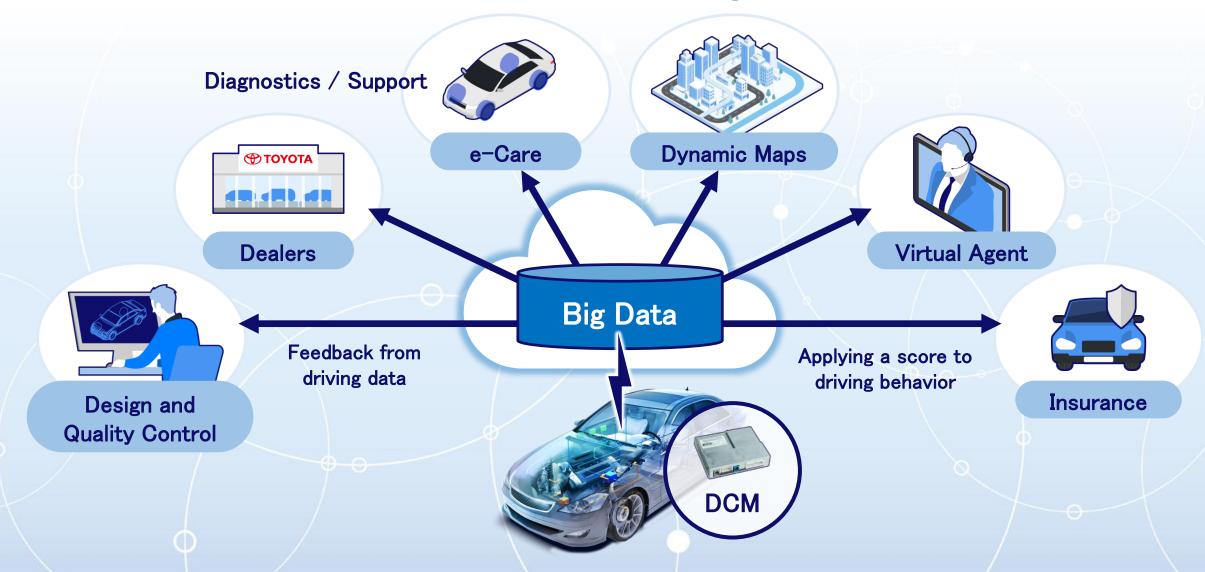


*DCM: Digital Communication Module





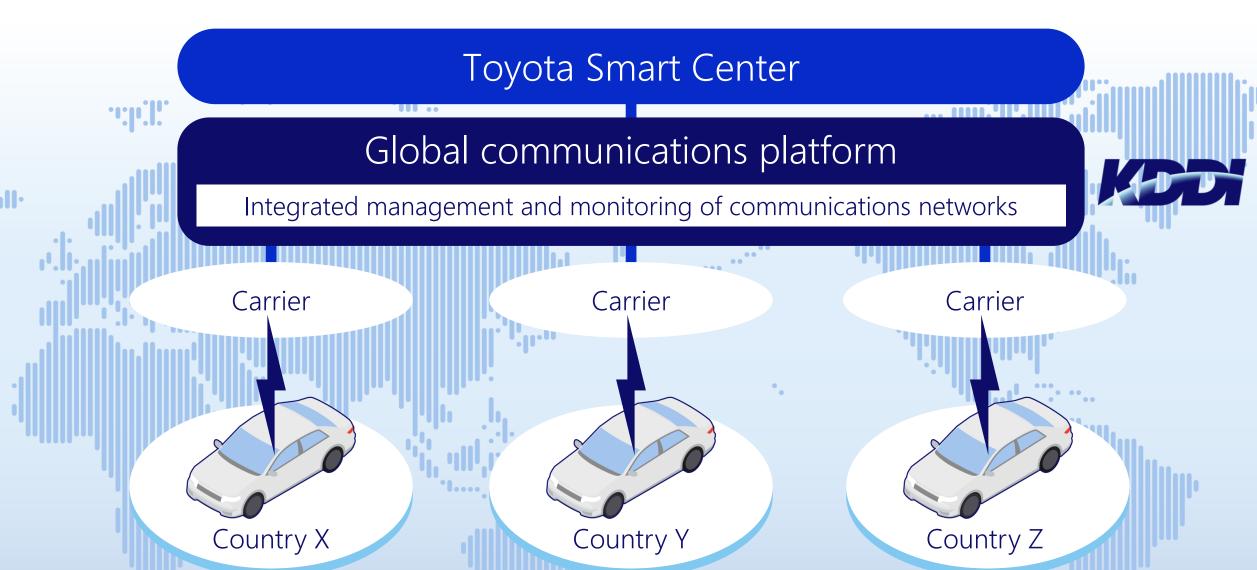
Automotive Big Data







Global Communications Platform

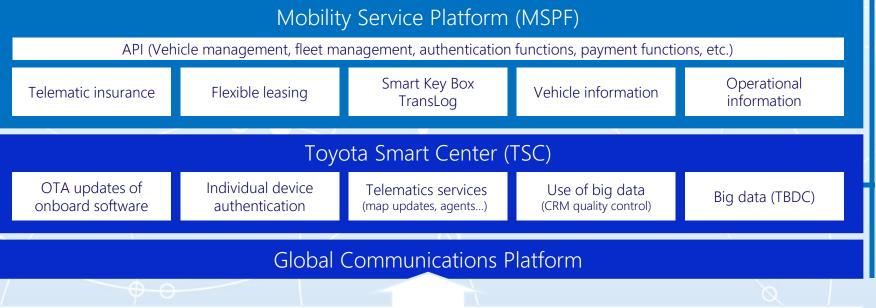






Mobility Service Platform









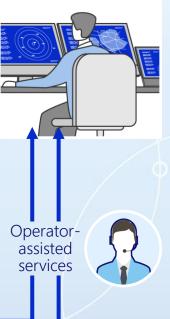






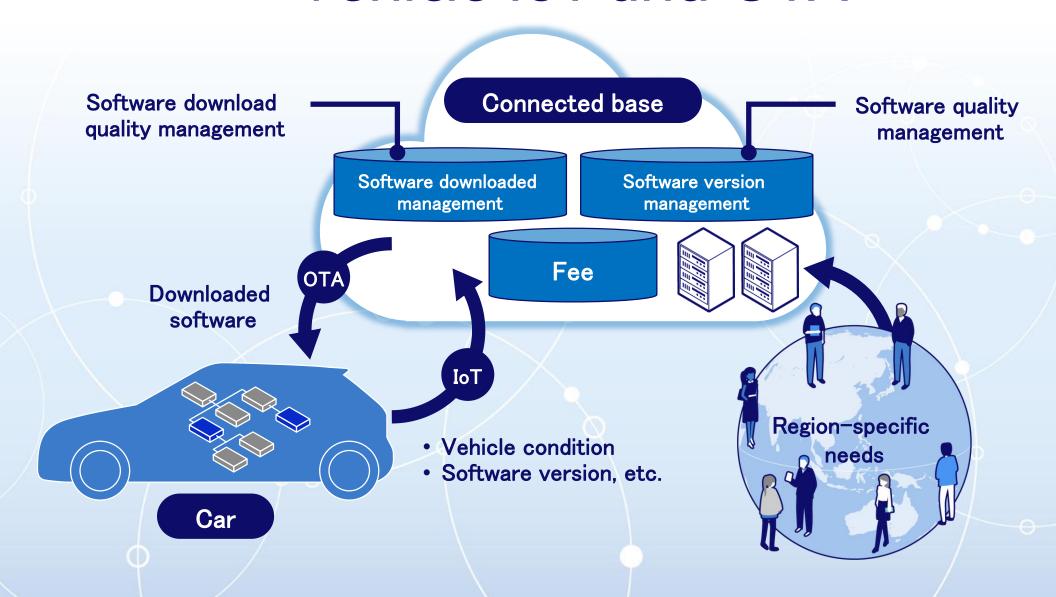








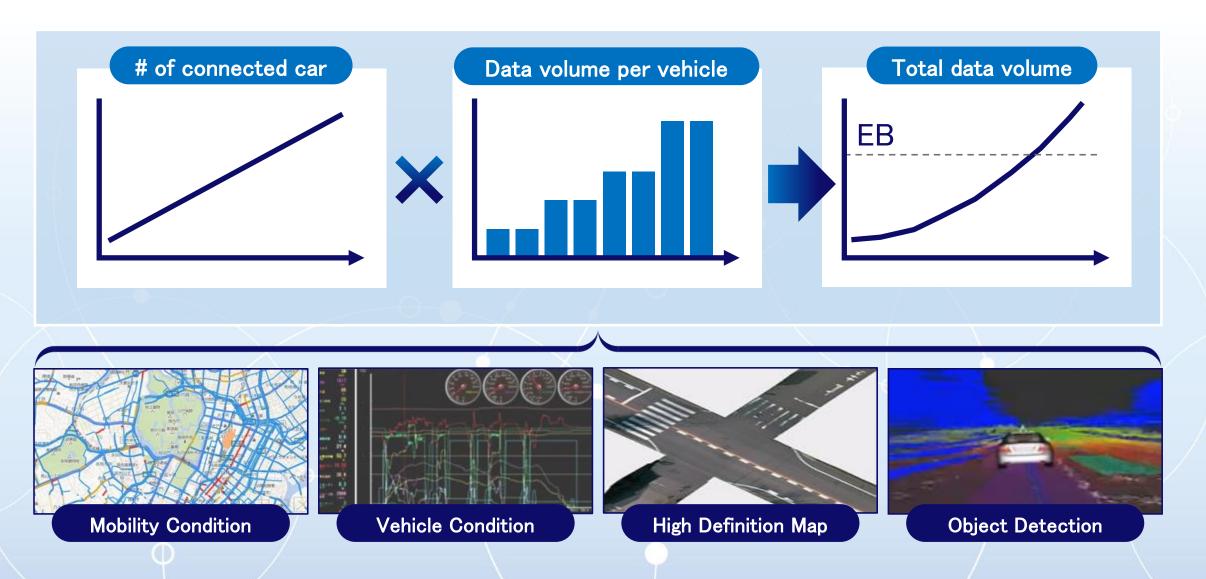
Vehicle IoT and OTA







Vehicle Data Volume







Alliance for All Connected

Jointly developing services and service platforms that ensure people's safety and security

Realize to enrich people's lives without being chained to the inside or outside of vehicles.







Jointly working to address social issues using big data

To solve social issues between urban and rural areas









Medical and long-term care

Weather and disaster prevention

Towns, Homes, People, and Cars are all connected

Jointly developing an operation and management system for nextgeneration connected cars

To enable sophisticated operations by integrated management of devices, networks, platforms and





Jointly conducting R&D focused on telecommunication platforms

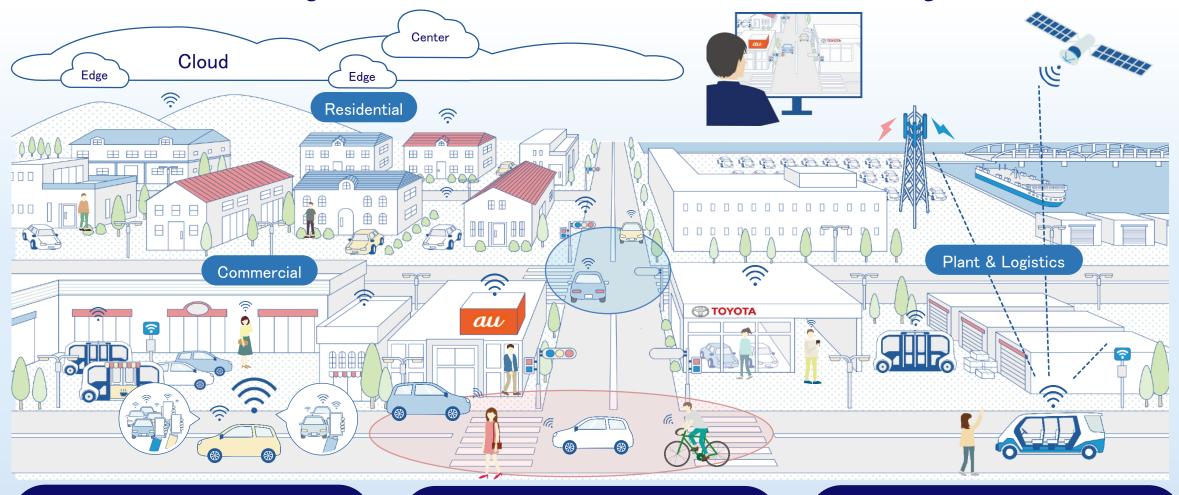
To enable optimal communication between towns, homes, people and cars







Beyond 5G: User-centricity



Optimized to Protect User Experience

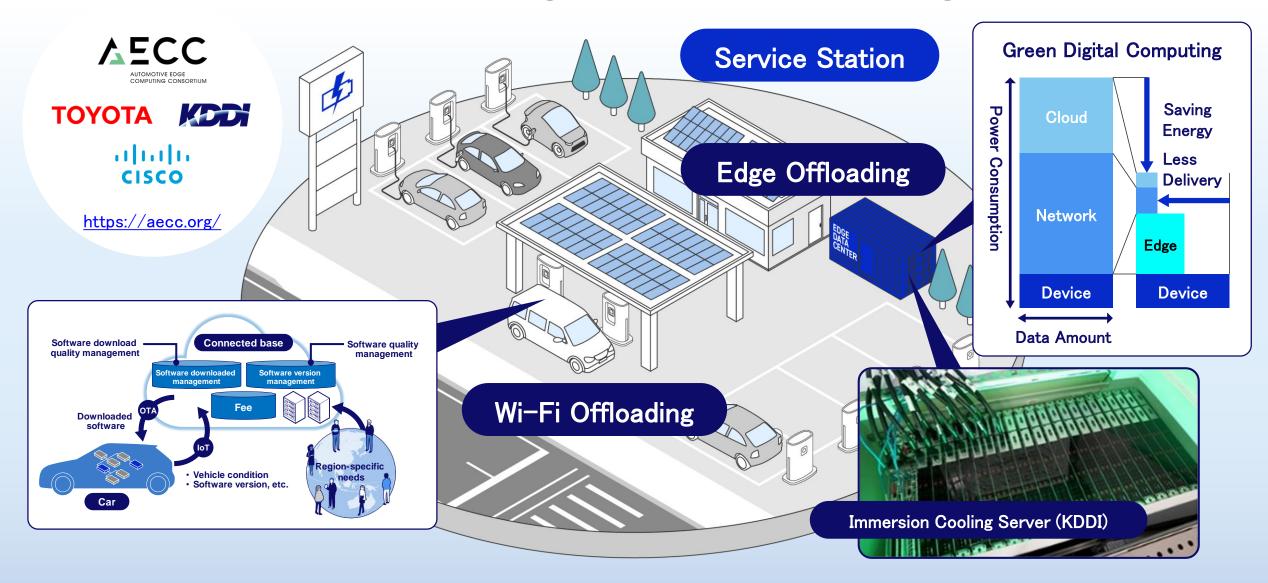
Expanding Local User Experience

Software-defined Diversity and Innovation





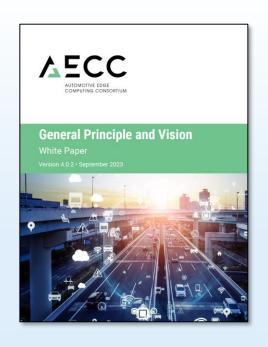
Green Digital Computing



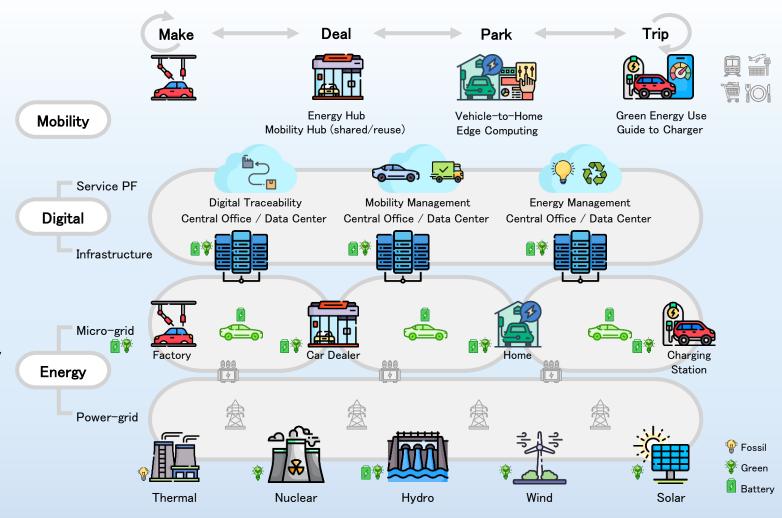




Mobility in Green Digital Society



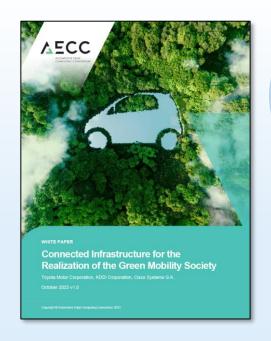
- Digital optimization of mobility and energy
- Local rationality for economy and environment
- Cars balancing energy supply and demand

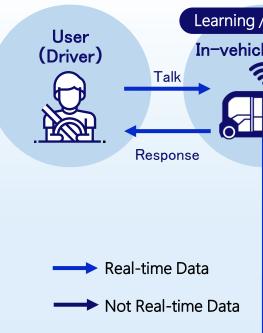




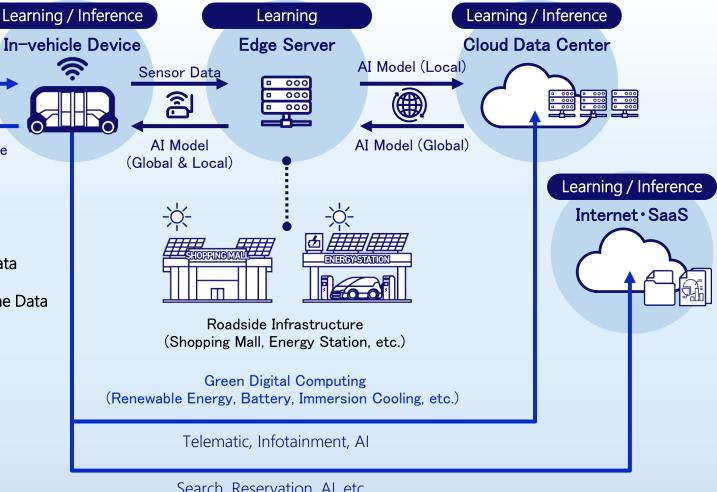


Generative AI for Mobility





- ➤ Digital Infra: Own & Use
- ➤ Digital Infra: Distributed & Divided
- > AI Model: Own & Use
- ➤ AI Model: Learning & Inference
- ➤ Data Types & Storage
 - > Manual, Personal Info
 - > Local Info. General Info. etc.



Search, Reservation, Al, etc.





Envisioning Mobility in Green Digital Society Together!

