ITS Innovations by TOYOTA Group

We accelerate the evolution of ITS in 3 domains, guided by the A-ITS concept.







Full lineup of electric units

TOYOTA

- Reliable and effective prediction, control, and HMI technologies.
- Multipath-communication to support A-ITS.
- Safer & more secure autonomous driving and Al agents, based on A-ITS.









Human-Centric

JTEKT

- Technology to enhance AD/ADAS safety & occupant comfort.
- Improved safety by reducing driver load (by coordinating manual vs. autonomous steering).

Linkage-Free Steer-by-Wire System





Al-Collaborative Steering-Control System

AISIN

DENSO

- Accident-prevention solutions that integrate the elements of people, mobility, infrastructure.
- Developing and enhancing performance of AD/ADAS technologies, utilizing Al.





"Choisoko" - Al on-demand,

passenger ride share service

AD&ADAS Roadmap **Parking Assistance System**

single, multifunctional sensor.

Components

Heat-Resistant

Lithium-lon

Capacitors (Libuddy)



AISIN

Occupant monitoring system equipped with Al.

Recognizes occupants throughout vehicle with

and notifies vehicle users of abnormalities.

• Detects infants or children left in parked vehicles