

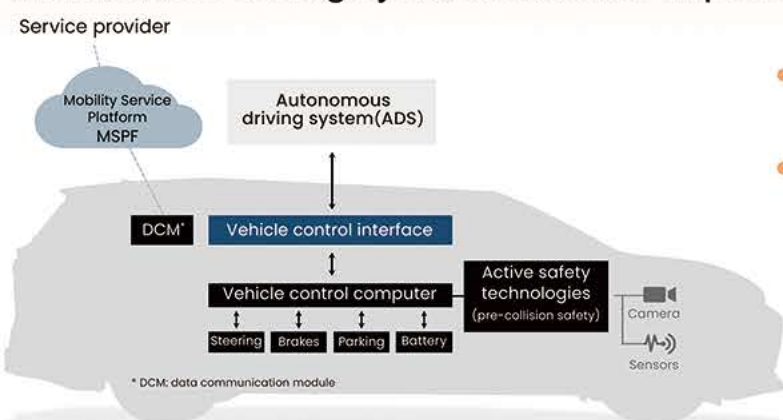
Initiatives to Realize an Autono-MaaS Society

Toyota is working to implement versatile mobility services that capitalize on autonomous driving (Autono-MaaS*) to achieve its goal of “*Mobility for All*” (freedom of motion for all people). Our efforts to help realize an Autono-MaaS-oriented society center on two key elements.

* A Toyota neologism created by combining “autonomous vehicle” and “mobility-as-a-service (MaaS)” to designate mobility services that rely on autonomous vehicle.

1. Autono-MaaS Vehicles

Toyota developed a vehicle control interface that enables easy integration of various partners' autonomous driving systems and also implemented redundancy in the major vehicle systems.



- Ensuring secure communication with Toyota's vehicle control system.
- Implementing redundancy for the electronic systems of braking, steering, parking, and the power supply for their operation.

Autono-MaaS vehicle lineup for various applications

e-Palette



BEV adapted for various uses such as carrying people, moving goods, or shopping.

Sienna Autono-MaaS



HEV based on the Sienna

bZ4X Autono-MaaS

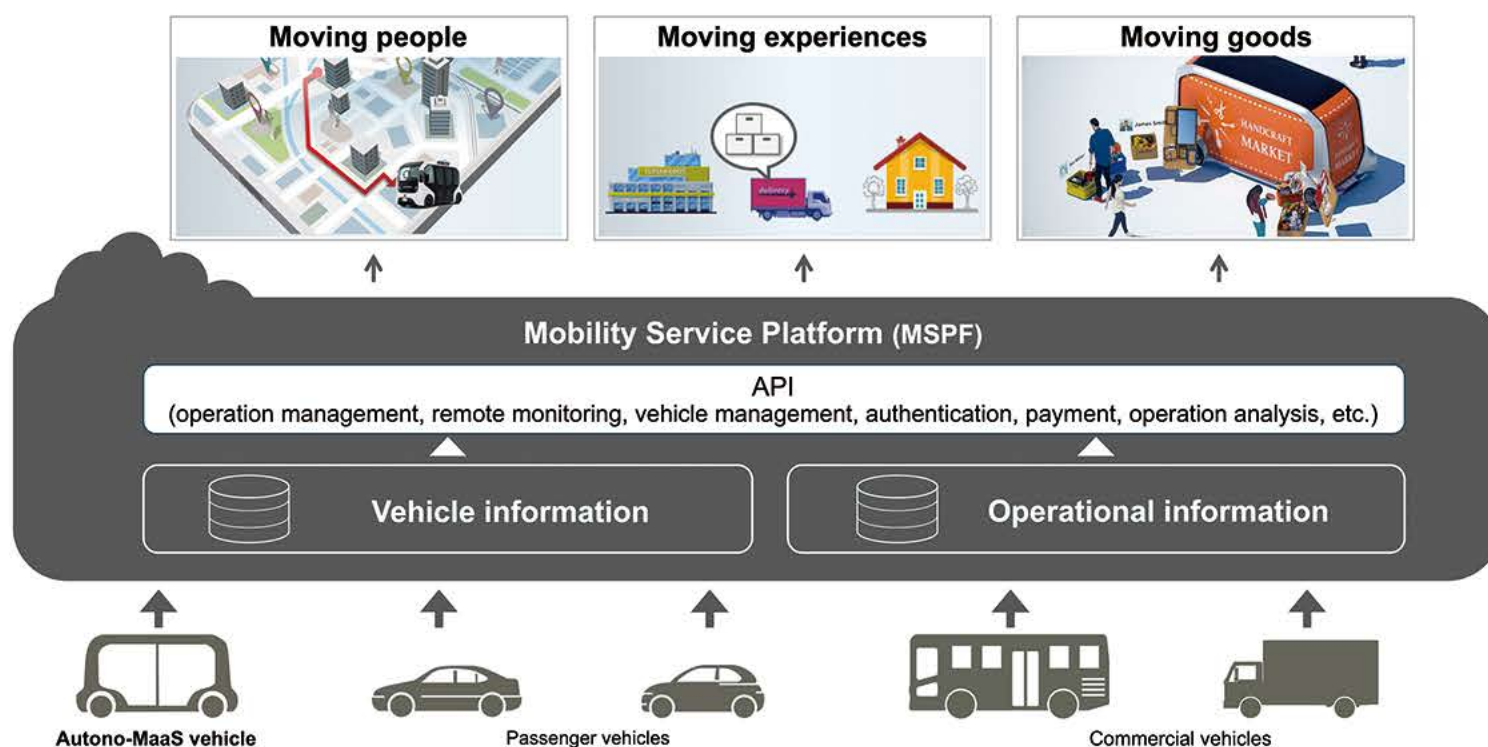


BEV based on the bZ4X

2. Mobility Services Platform (MSPF)

Provide an API* for the group of functionalities required to offer various mobility services, including Autono-MaaS vehicles, and make it available to operators and partners. Move people, goods, and experiences more freely and easily.

*API is short for application programming interface, a mechanism that enables interaction between software, programs, and web services.



Providing systems and technology that make operation and management of Autono-MaaS vehicles safe and efficient.



Utilizing the large amount of data obtained from vehicles and operations enables us to offer better services.