e-Palette
CONCEPT

- e-Palette Alliance* will leverage Toyota's Global Mobility Services Platform to develop advanced vehicle and related mobility services for business applications.

- e-Palette Concept Vehicle will be fully autonomous, battery-electric vehicle with connected technologies.

- The vehicle can be adapted to a wide range of uses that include ride sharing, logistics and mobile shops.

  * Alliance launch partners include Amazon, DiDi, Mazda, Pizza Hut and Uber.
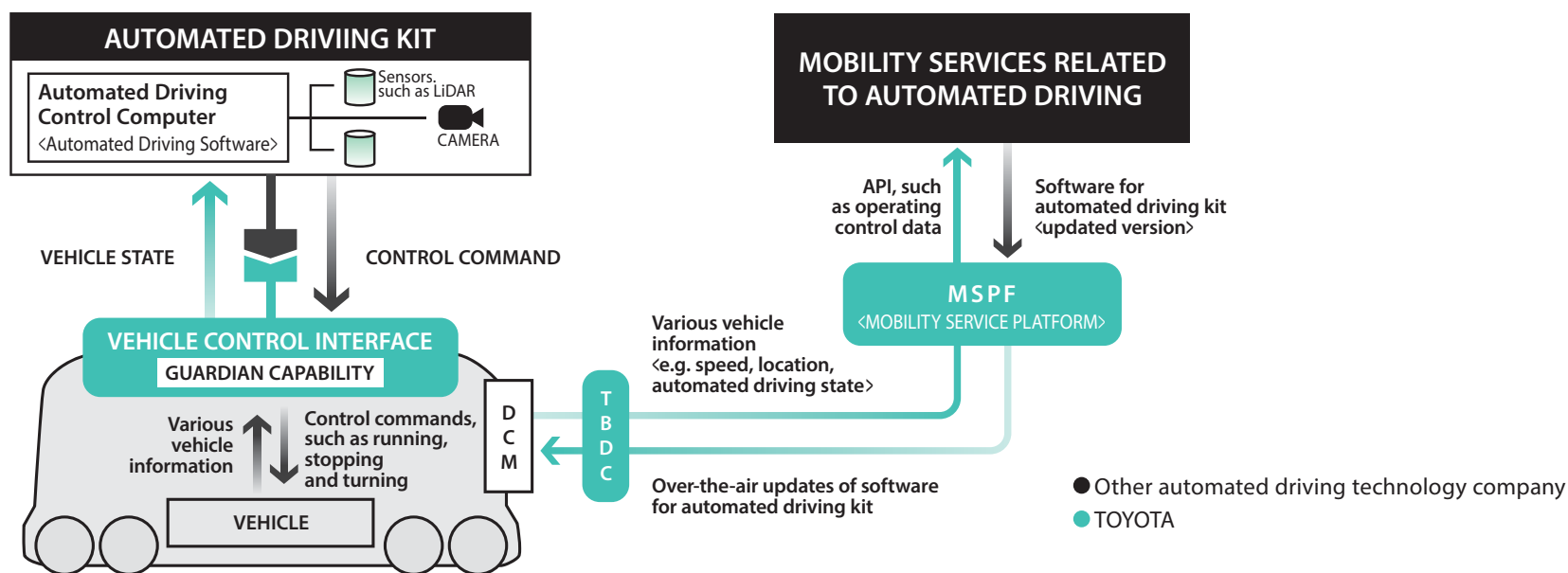

e-Palette Concept (exhibited at the 2018 International CES)

Opening control interface to allow partner companies to install their own automated driving system

- Open control interface will be available to allow partner companies to install their own automated driving system.

- Technology providers can receive open Application Programming Interface (API*) such as vehicle state and vehicle control.

  * API (application programming interface) provides subroutines that can be used in programming. Functions can be used simply by calling those subroutines.

AUTOMATED DRIVIING KIT

Automated Driving Control Computer
〈Automated Driving Software〉

Sensors, such as LiDAR
CAMERA

VEHICLE STATE   CONTROL COMMAND

VEHICLE CONTROL INTERFACE
GUARDIAN CAPABILITY

Various vehicle information

Control commands, such as running, stopping and turning

VEHICLE

MOBILITY SERVICES RELATED TO AUTOMATED DRIVING

API, such as operating control data

Software for automated driving kit 〈updated version〉

MSPF 〈MOBILITY SERVICE PLATFORM〉

Various vehicle information 〈e.g. speed, location, automated driving state〉

D C M

T B D C

Over-the-air updates of software for automated driving kit

- Other automated driving technology company
- TOYOTA

Mechanism of Automated Driving by open vehicle control interface

---

TOYOTA