Panasonic AUTOMOTIVE

ETC 65% of the total vehicles in Japan

REFERENCE EXHIBIT

Fleet Management System
ITS BIG DATA SOLUTIONS with ETC2.0

Benefits :

- Improving an efficiency of logistics operations for manager by monitoring logistics vehicles.

- Reducing a risk of traffic accident for drivers by analyzing individual driving characteristic.

- Getting more information on road maintenance for road manager by analyzing the traffic flow.

Field operational test for improving an efficiency in logistics vehicles management with ETC2.0
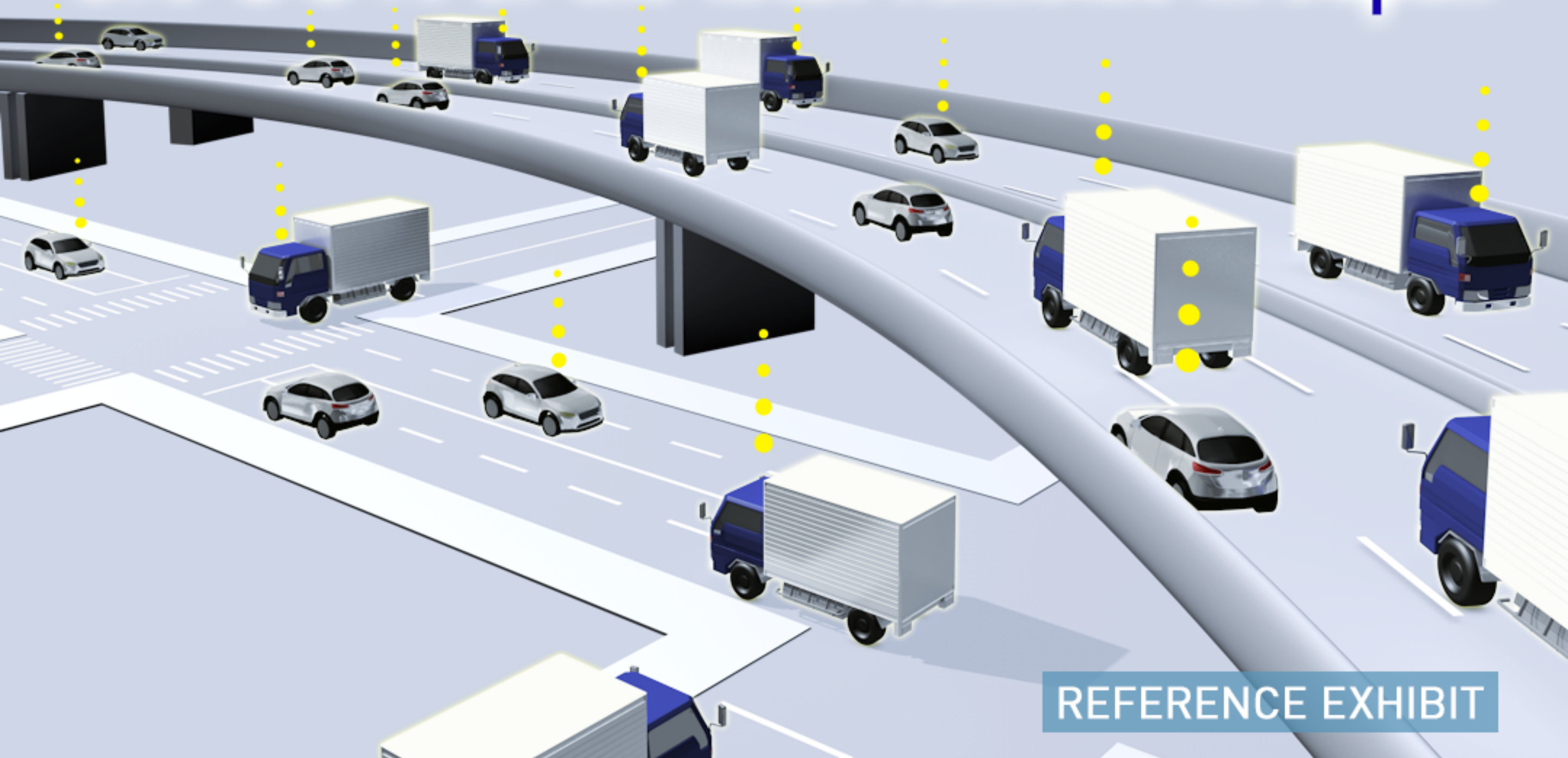
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Technical Advantage :

Big data Utilization by ITS infrastructure
- Lots of road traffic information
- Public standardized probe data

ETC2.0 on-board unit with GPS
- 5.8GHz band DSRC unit compatible ETC
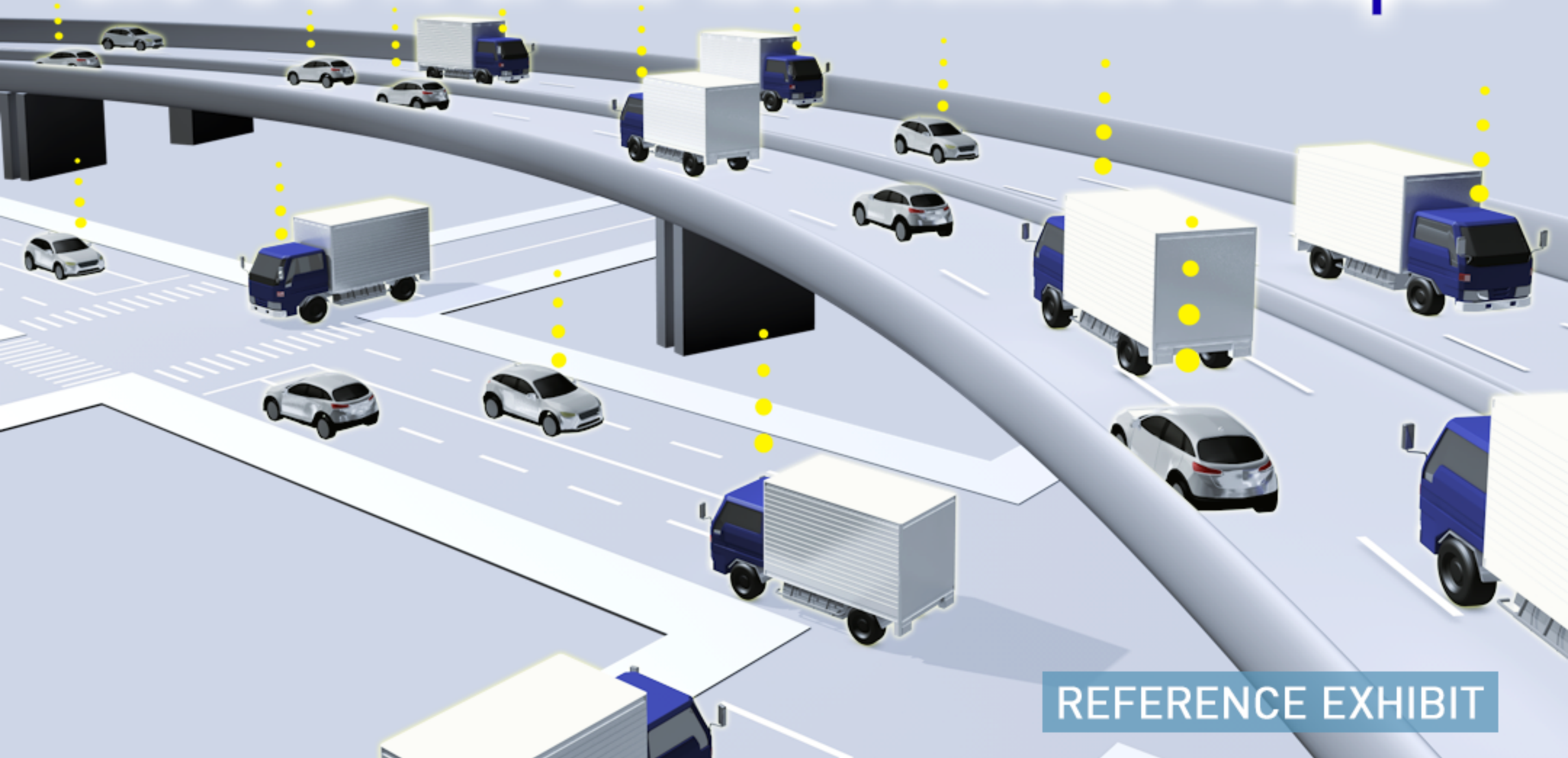- 80km probe data record　(option: 200km)

DSRC roadside unit
- Collecting probe data from ETC2.0 OBU
- 3,600 spots nationwide

Field operational test for improving an efficiency in logistics vehicles management with ETC2.0

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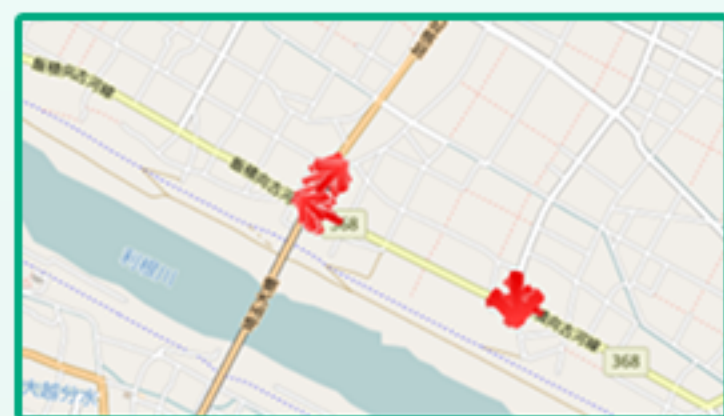
Fleet Management System
ITS BIG DATA SOLUTIONS with ETC2.0
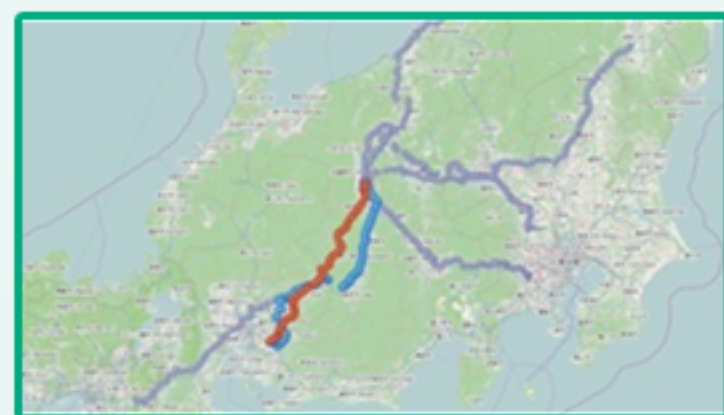
Applications :

Logistics Vehicles Monitoring
- Tracking, speed, arrival / departure time etc.for logistics manager

Driving Safety Information
- Potential incident spots (< -0.25G)
- Ranking of drivers and spots

Road Maintenance
- Damage information of road structures and pavements for road manger

Road Usage — high — mid — low

Field operational test for improving an efficiency in logistics vehicles management with ETC2.0