

The 12th Public and Private Joint Forum in Asian Region, 7~8. Dec.
- The 26th ASIA GOVERNMENT/ INDUSTRY MEETING -



Policy direction for the commercialization of safe AVs

2021.12.8



Korea Transportation Safety Authority
Korea Automobile Testing & Research Institute

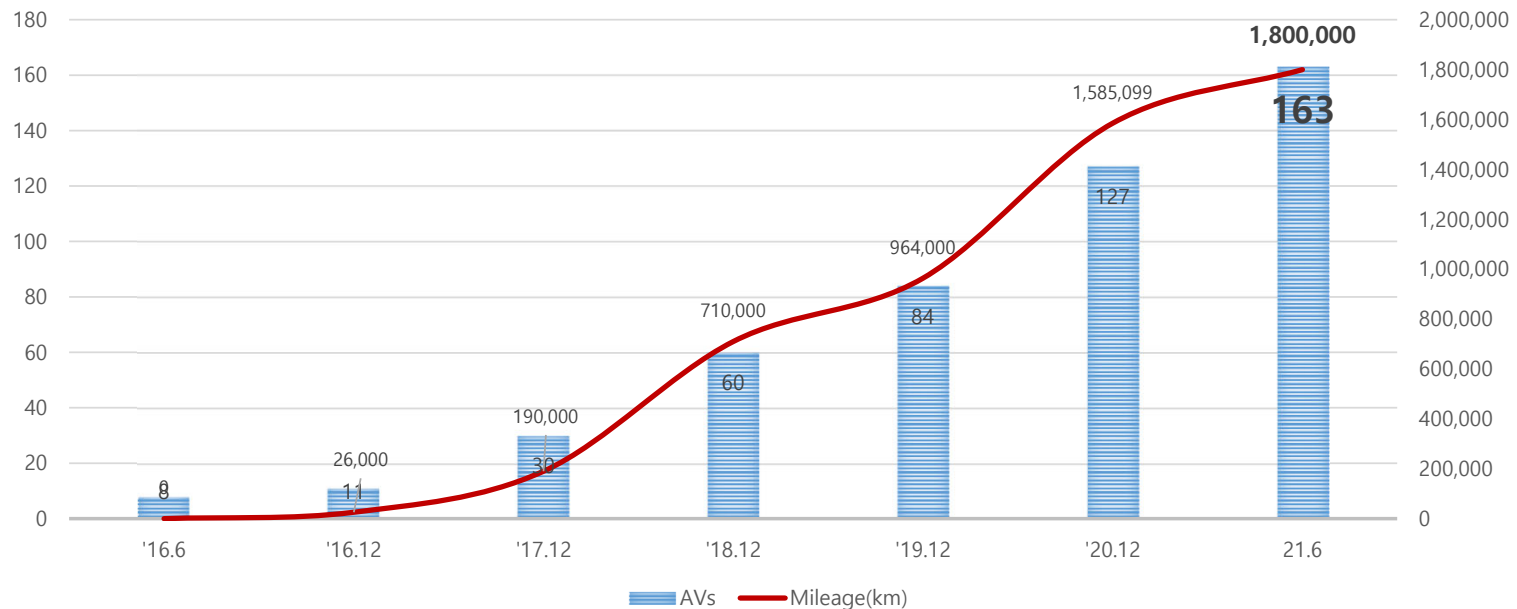
Outline

- With the goal of transportation safety introducing fully automated vehicles by 2024, Korean government has been setting up strategy, revamping regulatory framework, initiating a new R&D project, and building AV supportive infrastructure.
- AV pilot zone operation is starting from this year by enacting new AV laws (enacted 2020) and designating autonomous driving pilot zones for the demonstration of various autonomous driving service models.
- In order to respond to changes in the transportation and logistics system, Korea has prepared the “Master Plan 2025 for Autonomous Driving for Transportation and Logistics,”

Facilitating AV testing

Test drive permit

- The Korean government(MOLIT) has introduced AV testing permit and allowed test drives on all public roads in Korea since 2016
- As of now, 163 AVs from 52 entities received the permits and distance driven reached 1,800,000 km



New Act for the Promotion & Support of AVs

AV pilot zones

- The newly enforced Autonomous Vehicle Act (May 2020) enables the designation of “AV pilot zones” in which paid passenger ride and delivery services using AVs are allowed.
- Unconventional vehicles not complying the KMVSS such as delivery robots will be allowed if safety measures are provided by the operating entity.
- Pilot tests of new V2X technology will be also allowed in the AV pilot zones.

✓ Allow paid transportation of passenger & freight

✓ Allow special treatment of KMVSS

✓ Allow new V2X technology by private operator



Application by municipal
& provincial governors

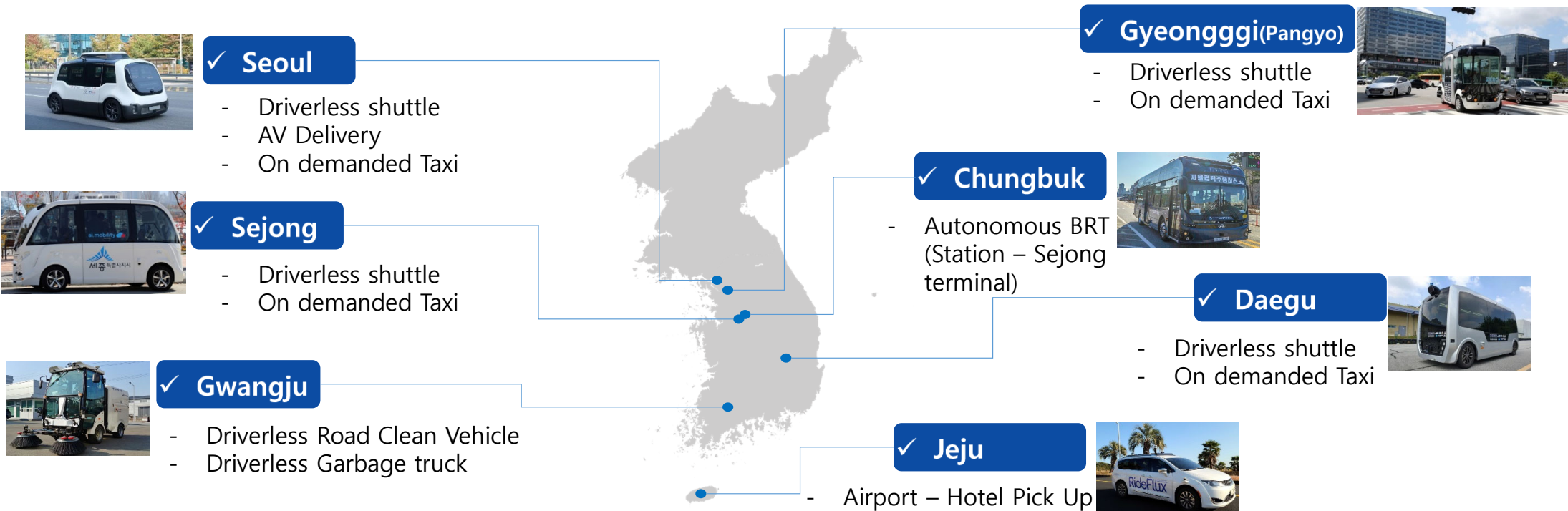
Committee review
(chaired by MOLIT minister)

Designation of AV pilot zone

New Act for the Promotion & Support of AVs

AV Pilot Zones

- MOLIT has completed designating 7 AV Pilot zones and is starting full scale demonstration in 2021



AV Transportation & Logistics Master Plan 2025

AV Master Plan 2025

- AV Master plan was established for commercialize autonomous driving based transportation and logistics system through the commercialization and proliferation of autonomous vehicles in June 2021.

VISION

The era of autonomous driving commercialization begins in 2025

GOAL

- Provision of **autonomous** driving commercial Service on highways and major branches
- Development of technology based on autonomous driving service(BRT, on demanded ...)
- Regulation improvement and infrastructure establishment for AV service

STRATEGY

- 1) Advancement of autonomous driving service technology
- 2) Expansion a autonomous service demonstration
- 3) Creating the autonomous driving service business
- 4) Reinforcement of autonomous driving safety
- 5) International cooperation related to autonomous driving job expansion

R&D Activities

NEW project for AV technology innovation

- New multi-agency R&D project for level 4 vehicles with \$930M will be conducted from 2021 to 2027, and safety assessment technologies will be developed as part of the project.





Thank you !

TS Korea Transportation Safety Authority
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