



Ministry of Land,  
Infrastructure and Transport

## **National R&D Center for Inspection of Advanced Vehicles Launched on the 18<sup>th</sup>**

*- Accelerating the development and distribution of inspection technology for advanced cars such as autonomous vehicles... enhancing driving safety*

- The Ministry of Land, Infrastructure and Transport (MOLIT, Minister: KIM Hyun-mee) and Korea Transportation Safety Authority (TS, President: KWON Byung-yoon) announced that the Korea Advanced Vehicle Inspection R&D Center (KAVIC) will be launched on November 18, 2020, with the aim of enhancing driving safety of advanced vehicles such as autonomous cars and electric vehicles (EVs).
- The role of vehicle inspection has become ever more important in securing driving safety of high-tech cars, such as EVs, hydrogen fuel cell vehicles (FCEVs) and autonomous vehicles, as the number of EVs has soared from 6,000 units five years ago to 120,000 now and the number of cars with advanced safety systems\* that can autonomously change lanes and overtake preceding cars has also increased.

\*Lane departure warning system, automatic emergency braking system, adaptive cruise control system, etc.

- Considering this, MOLIT and TS have invested some 23 billion KRW since 2017 in a project to build a research center for inspection of

advanced vehicles in Gimcheon Innovation City.

- The newly established R&D center, KAVIC, will be operated by TS. In preparation to take on the role, TS established a department dedicated to the operation of KAVIC within the organization (3 offices and 1 team consist of 26 people) earlier this year.

\* Inspection Research and Strategy Office, Advanced Safety Research Office, Advanced Technology Development Office, and Advanced Technical Diagnosis Team

- KAVIC is currently carrying out R&D projects on the inspection technology for advanced safety devices ('21~'22) and the inspection technology for hydrogen-powered buses ('21~'23).
  - Going forward, KAVIC will systematically develop and distribute inspection technologies for ensuring driving safety of advanced cars in order to assist relevant authorities in efficiently performing vehicle inspections and carrying out safety policies in response to changes in the future transport environment.
  - Through developing and conducting training programs for experts in the advanced vehicle industry, KAVIC plans to support the industry professionals in advancing their expertise and create more jobs in the newly-emerging sectors.
- Korea introduced the world's first safety standard for level 3

autonomous vehicles early this year, allowing carmakers to launch and sell vehicles equipped with level 3 self-driving technology, such as automated lane keeping systems, from July.

- Last year, Korea was appointed as the Asian chair of the International Motor Vehicle Inspection Committee (CITA\*), a consultative body of the United Nations, and plans to conduct joint international research, which would make KAVIC's role more important in Korea's effort to lead the world in the field of automobile inspection technology.

\* CITA (Comité International de l'Inspection Technique Automobile) is an organization with consultative status to UN, established in 1958 to share national policies, research experience and knowledge on automobile inspections. (145 governments, public institutions, inspection agencies, etc. from 53 countries currently participating)

- “We will step up efforts to advance and disseminate inspection technologies to create a safe driving environment for advanced vehicles, such as EVs, FCEVs, and autonomous vehicles in line with their widespread distribution, and actively support KAVIC so that it will play a key role in international standardization of vehicle inspection procedures and standards,” said Mr. Jin-hwan YOON, Director General for Motor Vehicles Management at MOLIT.