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Joining forces for periodic ADAS inspection

MAHA, KOTSA, dSPACE Korea and KÜS sign Memorandum of Understanding

- **Four months after the official project launch in Sejong, the partners in the Korean ADAS project are deepening their cooperation: on November 12, 2026, MAHA, the Korea Transportation Safety Authority (KOTSA), dSPACE Korea and the testing organization KÜS signed a joint Memorandum of Understanding (MoU) at MAHA's headquarters in Haldenwang, Germany.**

Haldenwang, November 25, 2026. Korea aims to integrate functional testing of advanced driver assistance systems (ADAS) nationwide into periodic technical inspection (PTI) in the future. As a technology partner, MAHA is contributing its MAST 2.0 test bench to the development of the inspection procedure. The test technology is to be developed and trialed by the end of 2028, with the goal of putting the first test benches into operation from 2029 and subsequently rolling them out nationwide. During the two-day meeting, the partners reviewed the current state of development, saw the MAST 2.0 in live operation and defined the steps toward the first pilot systems.

Shared goal, combined expertise
In addition to a 13-member KOTSA delegation, representatives of dSPACE Germany and dSPACE Korea, KÜS and Mercedes-Benz Korea attended; Hanyang University joined online. The common goal: an economically viable functional test that reliably detects relevant ADAS faults in the vehicle fleet. "By signing the MoU, we are reaffirming our shared path. What we saw in Haldenwang shows that objective and reproducible ADAS testing in regular inspection operations is within reach," says Dr. Jaehwan Jeong, Head of the Advanced Safety Research Department at KOTSA.
The MoU lays the foundation for joint research on the periodic technical inspection of automated vehicles. KÜS contributes its experience with German and European PTI systems, MAHA its test bench technology for vehicle dynamics and steering, and dSPACE Korea the simulation of camera, radar and LiDAR, including synchronization with the test bench. KOTSA provides the Korean inspection framework and demonstrations with real vehicles, drawing on hands-on experience: at the Sejong Vehicle Inspection Center, KOTSA already operates its ADAS functional testing system KADAS, which has supported functional testing of around 470 vehicles to date.

Targeted scenarios, clear results
Periodic inspection does not need to recreate every conceivable traffic situation – what matters is a reliable statement on whether a system works. Hanyang University presented an AI-based approach in which large language models generate, simulate, evaluate and automatically optimize test scenarios. The scenarios are validated on real vehicles with both intact and verifiably faulty systems, in cooperation with vehicle manufacturers.

Close to the project, close to the market
"ADAS inspection depends on authorities, testing organizations, simulation specialists, academia and manufacturers sitting at the same table. That is exactly what we achieved in Haldenwang," says Dr. Peter Geigle, Managing Director of the MAHA Group. To support the project and future operators locally, MAHA is setting up its own subsidiary in Korea.

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MAHA — an overview:

MAHA SE & Co. KG, based in Haldenwang (Bavaria), is one of the world's leading manufacturers of vehicle testing and lifting technology. The company develops and manufactures test lanes, brake testers, headlight testing technology, as well as lifting technology and performance measurement technology for cars, commercial vehicles and special applications. As an internationally oriented company, MAHA operates four production sites: two in Germany and one each in South Africa and the United States. With a global sales and service network spanning more than 150 countries, MAHA maintains a strong international presence and close proximity to its customers. The company employs over 1,000 people worldwide and generates annual revenues of approximately 160 million euros.

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More information released by MAHA is available on the internet:

https://www.maha.de/en/news and www.maha.de/en

Glossary:

ADAS (Advanced Driver Assistance Systems)
Driver assistance systems that improve safety and comfort, e.g. through lane keeping, braking or distance control.

PTI (Periodic Technical Inspection)
Periodic technical inspection of vehicles; in Germany known as the Hauptuntersuchung (HU).

MoU (Memorandum of Understanding)
Declaration of intent in which partners set out shared goals and possible areas of cooperation.