June 28, 2022

TOKAI RIKA

AISAN TECHNOLOGY CO.,LTD.

TOKAI RIKA and AISAN TECHNOLOGY
Sign Contract to Jointly Develop Remote Monitoring and
Operation Systems for Autonomous Vehicles

–TOKAI RIKA's full-scale entry into the remote monitoring business for autonomous driving services –

TOKAI RIKA CO., LTD. (President: Hiroyoshi Ninoyu) and AISAN TECHNOLOGY Co., Ltd. (President: Atsushi Kato) would like to announce the signing of a contract to jointly develop systems capable of remotely monitoring and operating multiple autonomous vehicles. The aims of this joint development are as follows: to enable people monitoring the vehicle remotely to determine whether the vehicle is being controlled safely, to develop image acquisition and display systems that mitigate the workload of the monitoring personnel, and to develop technologies capable of acquiring information for updating maps using images from around the vehicle. This represents TOKAI RIKA's full-scale entry into the remote monitoring business for autonomous driving services.

In this joint development, TOKAI RIKA will apply the technologies nurtured through its long experience in developing camera and image processing systems (such as electronic mirrors that clearly display wide views of the road environment behind the driver) to study, research, and develop the optimum image display format for a camera image display system to monitor autonomous vehicles. AISAN TECHNOLOGY will conduct research and development into map updating technologies using outputs such as images obtained from autonomous vehicles.

Specific details of joint development:

<u>**TOKAI RIKA CO., LTD.**</u>
(1) Provision of prototype components and construction of a system that remotely monitors the driving status of autonomous vehicles
(2) Examination of the details and layout of image acquisition and display
(3) Examination of image sensing technology using machine learning that satisfies the requirements for map updates

<u>**AISAN TECHNOLOGY Co., Ltd.**</u>
(1) Provision and management of autonomous vehicles
(2) Examination of technologies related to map updates using images, and the trial of map updates through field operational tests (FOTs)
(3) Definition of the sensing information requirements necessary for map updates