



THE UNIVERSITY
of ADELAIDE



VEHICLE TESTING

Our experts and equipment provide an adaptable and mobile capability, allowing for highly customised research and testing activity.

The Centre for Automotive Safety Research (CASR) operates its own advanced equipment that can perform a wide range of standard and non-standard tests for advanced driver assistance systems (ADAS) and connected and automated vehicles scenarios. Some common examples of ADAS technologies include:

- lane departure warning
- lane keep assist
- autonomous emergency braking
- blindspot monitoring
- adaptive cruise control
- intelligent speed adaption

The equipment can also be developed to support education and demonstration activities regarding new vehicle safety technology.

Our equipment

Our equipment can be transported to field testing sites, allowing CASR and our clients to evaluate the effectiveness of emerging safety technologies under a wide range of scenarios. Having developed the equipment in-house, it can be readily adapted to future emerging technologies.

Vulnerable road user targets

The articulated child, adult pedestrian and cyclist are the global standard for use in ADAS testing.

Pedal robots

Pedal robots control brake and accelerator pedals to control the speed, acceleration and braking of the vehicle under test.

Steering robot

A steering robot can be attached to the steering wheel of a vehicle, providing steering guidance. The robot removes the variability of a human driver as it applies accurate and repeatable inputs to the steering of the vehicle.



FURTHER ENQUIRIES

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