konrad
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WE KNOW **HOW TO TEST!**

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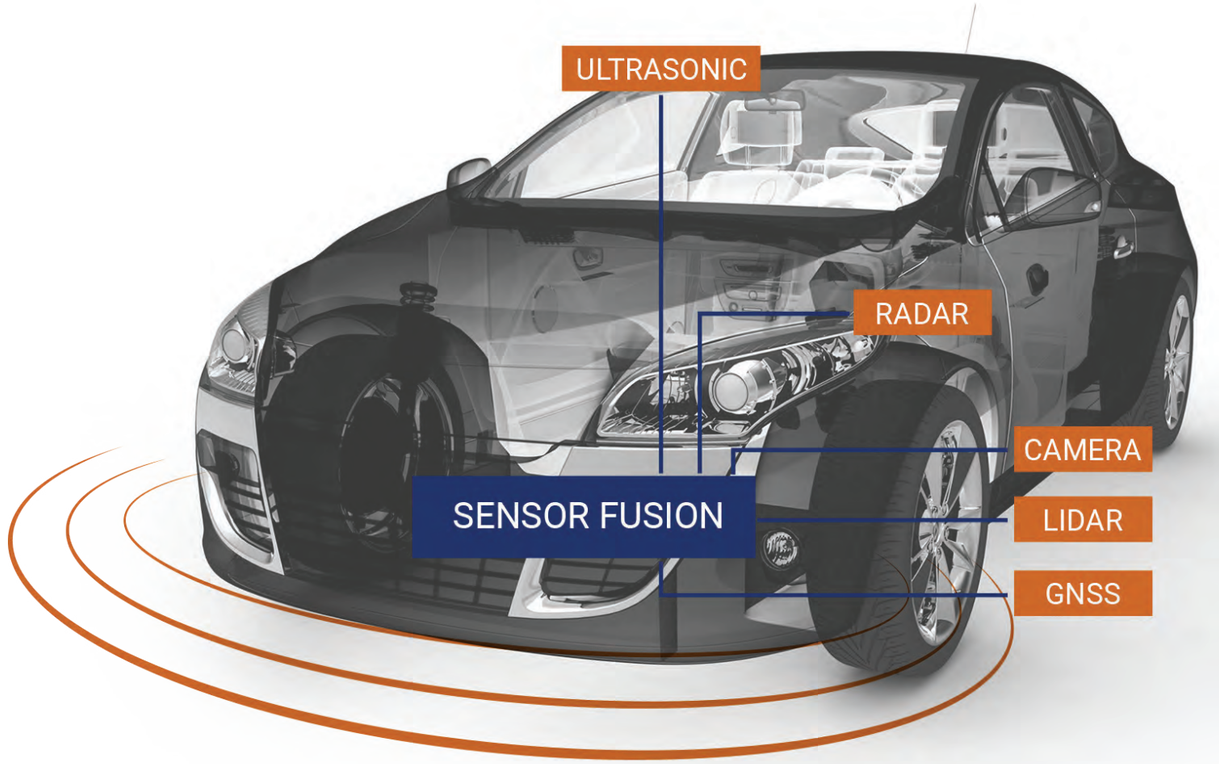

EXPERTISE AND INNOVATION
IN AUTOMOTIVE TEST SOLUTIONS

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NATIONAL INSTRUMENTS Platinum Alliance Partner
RF & Wireless Specialty

NATIONAL INSTRUMENTS Platinum Alliance Partner
Vehicle Radar Test System (VRTS) Specialty

adas iit
www.adas-iit.com

ADAS Test Solutions

ADAS Test Solutions

Advanced Driver Assistance Systems and Autonomous Vehicle Test

Sensor Fusion

Vehicles can combine data from multiple sensors to perform environment recognition and make decisions accordingly. Konrad Technologies offers an innovative approach to test this technology with Sensor Fusion. The approach combines ADAS sensors with Hardware-in-the-Loop style testing. Objects are simulated in real-time in a virtual environment simulating real world driving scenarios in the lab. Sensor Fusion testing enables manufacturers to proceed with confidence in developing and producing safe autonomous vehicles.

Connected Car Test Solutions

Automotive Devices

A wide range of automotive devices such as keyless entry, navigation, infotainment, tire pressure measurement systems (TPMS) and more can be tested with the Konrad Technologies RF Communications Test System (KT-RFCT 2400A). The single low-cost test system combines RF parametric results and throughput performance metrics making the KT-RFCT 2400A ideal for over-the-air (OTA) end-of-line (EOL) testing.

RF Communications Test System

Automotive Sensor Test Solutions

Radar

The Konrad Technologies Vehicle Radar Test System offers users the ability to simulate and test complex automotive scenarios for validation through production. The systems are flexible, extensible and ready for software and Hardware-in-the-Loop integration. Users can combine RF measurements and custom scenarios for radar sensor functional verification with obstacle simulation capabilities. Automotive radar test systems by Konrad Technologies enable radar sensor manufactures to reduce overall development time and manufacturing cost.

Camera

The Konrad Technologies automotive camera tester allows for fully automated and reproducible tests to ensure the functionality of camera-based driver assistance systems. The automotive camera simulator test system consists of a vision system capable of stitching data from multiple cameras into a 360° image.

Lidar

The automotive industry aims to develop a lidar sensor for the autonomous vehicle with the perfect balance of cost, performance, reliability and size. Manufacturers can now confidently develop lidar sensors with the Konrad Technologies automotive lidar tester. The lidar technology for solid state 2D flash lidar can simulate mapping of laser sensors in the lab environment with the ability to vary distance, simulate moving objects, adjust laser intensity/distance and simulate a more/less reflective object.

Ultrasonic

Automotive ultrasonic sensor testing is possible with Konrad Technologies. The expertise in ADAS testing by Konrad Technologies can expand to cover the application and capabilities of testing ultrasonic technology with object simulation in the lab. Upon request, the tester can be interfaced for Hardware-in-the-Loop and Sensor Fusion.

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