

# ADAS - Advanced Driver Assistance Systems

## Safe driving through ADAS

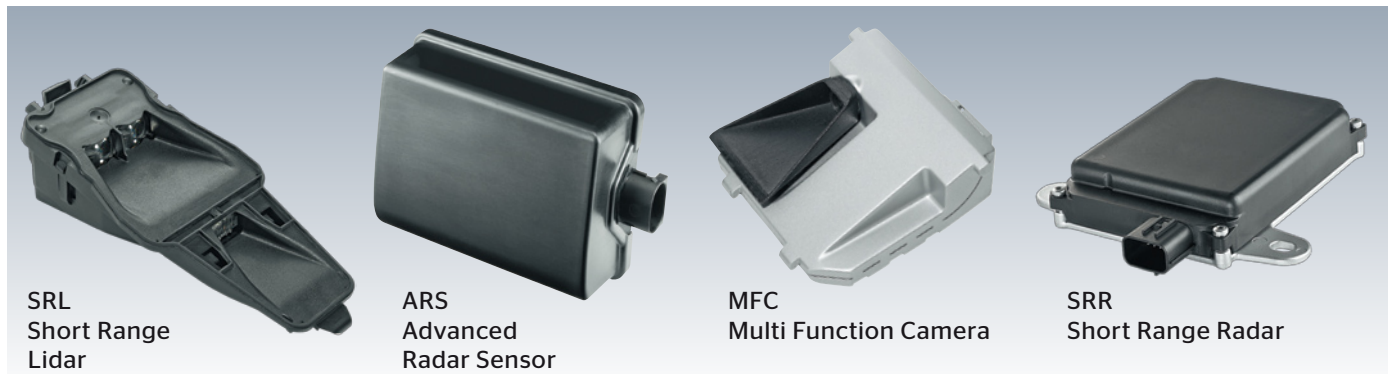
Stress and stimulus saturation accompany modern mobility. Multiple different hazards require quick, considerate action without losing sight of further traffic every second. Innovative Advanced Driver Assistance Systems help drivers stay on top of things, helping them arrive safe and relaxed. These systems act as electronic copilots, providing pure driving comfort and make driving safer and stress-free. Advanced Driver Assistance Systems make the road traffic safer and are an essential part of the vision of accident free driving.

As a leading supplier Continental has a strong portfolio of technologies and components for Advanced Driver Assistance Systems.

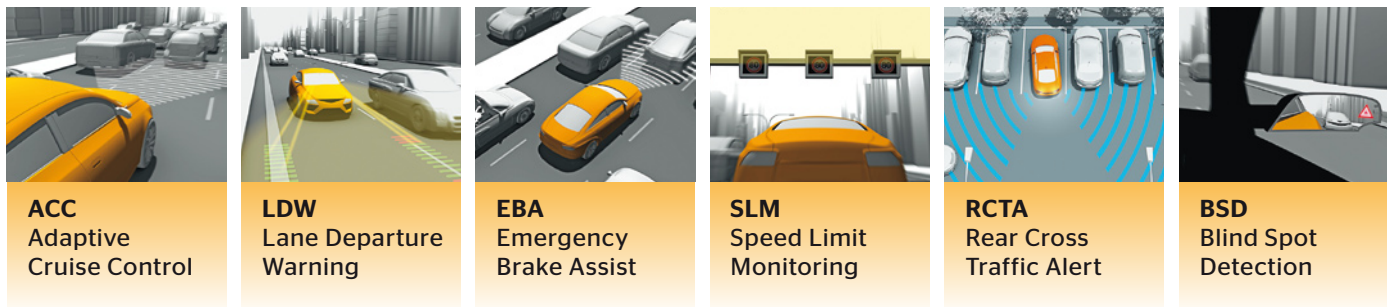
## CES is your partner around ADAS engineering

Continental Engineering Services (CES) offers services around these technologies and products. Our services range from advanced development to prototype builds to turn key series application of ADAS functions for small volume or niche projects to special application of Continental sensors for non-automotive industries.

## Sensors for Advanced Driver Assistance Systems (ADAS)



## ADAS Functions



### Advanced Development

- › Special sensor adaptations for R&D in field of autonomous driving
- › Assistance in selection and specification of environmental sensor systems
- › Feasibility and design studies
- › Function concepts
- › Development and implementation of algorithms
- › Simulation and Evaluation
- › Conception of Prototypes

### Prototypes

- › Prototype design
- › Integration of sensors and components in ADAS demonstration vehicles and test equipment
- › Sensor calibration
- › Assistance during initial operation and pilot projects
- › Gateways
- › Software adaptations
- › Rapid prototyping of new algorithms
- › Testing

### Series Applications

- › Application of environment sensors (radar, infrared and camera systems)
- › Project management
- › Requirements management
- › Release planning
- › Test vehicle build up
- › CAN/Flexray
- › Function development
- › Function calibration
- › AUTOSAR
- › Software integration
- › Diagnosis

### Special Software Application for non-automotive industries

As well as the use of these sensors in automobiles, there are also applications for the use of these components in other sectors like agriculture and construction equipment. Here, our sensor customers can benefit from sensors that were developed under the high standards in the automotive industry and are produced in large numbers. We can find solutions for many applications in which previously in-house development was not profitable because of low numbers.

- › Feasibility and design studies
- › Function concepts
- › Algorithm development
- › Software adaptation
- › Test measurements
- › Data analysis
- › Prototype build up
- › Series development for non-automotive applications

