The LED display on the A-pillar provides the driver with visual alerts. When the turn signal is activated, an additional audible alert is generated.

The sensor can handle tough environmental conditions and works during the day and at night.

The AAS-GPS-CAN turn assist system is based on the PRE-DO PreView Side Defender® II FMCW radar sensor. The object detection system alerts drivers of medium-size and heavy-duty vehicles (> 3.5 t) when vulnerable road users are in the danger zone next to the vehicle.

Thanks to its smart operating modes, the AAS triggers alerts when bicyclists or other vehicles enter the detection zone. False alerts due to stationary objects are kept to a minimum.

The radar sensor features a built-in self test (BIST) function. Specifically developed for this application, the wide horizontal field of vision (up to +/- 85°) covers an area approximately 12 m long and 3 m wide next to the vehicle.
Turn Assist System AAS
Protecting vulnerable road users

The MEKRA Long side view camera-monitor-system allows the driver to visually confirm radar-detected objects. This blind spot assistant can be purchased separately and is eligible for governmental subsidies.

Everything at a glance
The In-Cab Display on the A-pillar provides visual and audible alerts when potentially dangerous conditions arise next to the vehicle. Additionally, all system function status reports will be displayed here.

Sensor
The rugged sensor holds up to tough environments and detects and categorizes multiple objects at the same time. Depending on the situation, it differentiates between stationary and moving objects. That is why the sensor can also be used as a lane-change assistant at higher speeds.

GPS Antenna
The vehicle speed is essential for the accurate assessment of a given traffic situation. It is provided by an active GPS antenna.

**Specifications**
- **Sensor**
  - Frequency range: 24 GHz
  - Operating voltage: 9 - 33 V
  - Dimensions: 103 x 124 x 33 mm (W x H x D)
  - Temperature range: -40 °C to +85 °C
  - Protection class: IP 69 K
  - Vibration resistance: 25 G

- **In-Cab Display**
  - Power supply: via radar sensor
  - Dimensions: 50 x 27 mm (Dia. x D)
  - Temperature range: -40 °C to +85 °C
  - Protection class: IP 67
  - Vibration resistance: 10 G
  - Housing: ABS plastics, black