

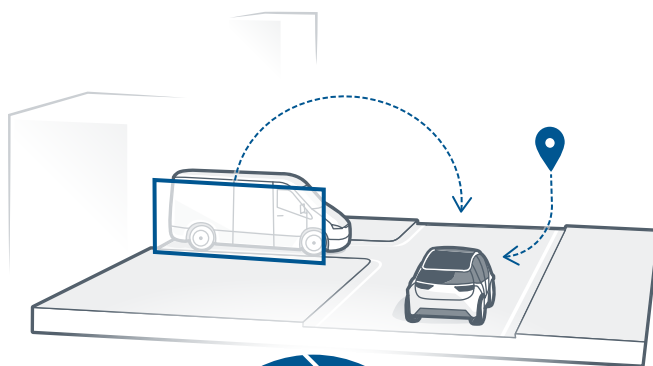
Sense, Think, Act: Bosch paves the way for automated driving



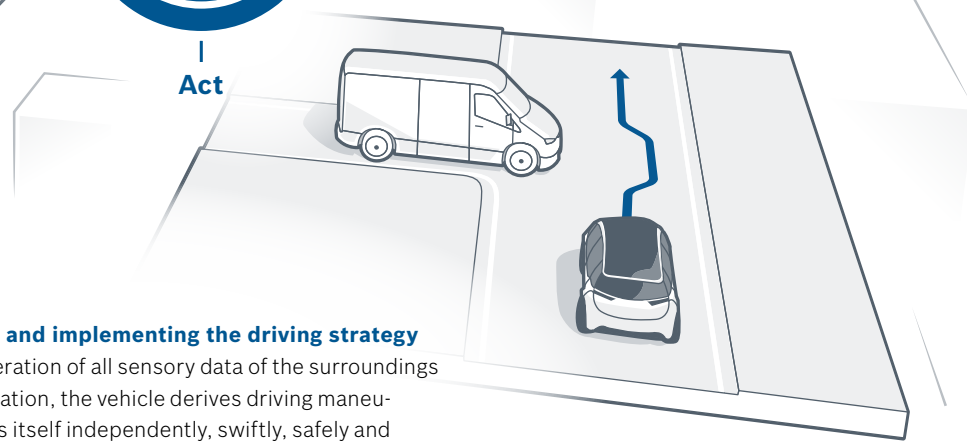
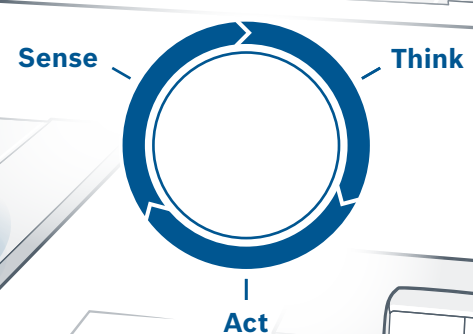
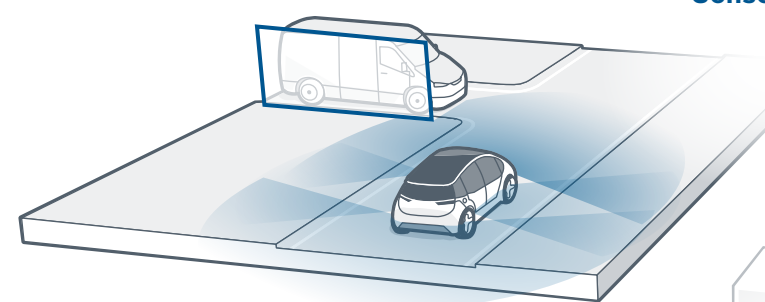
BOSCH
Invented for life



1 Sense: Sensing and perceiving the surrounding
The surround sensors are the senses of the fully automated car. They provide the vehicle with a 360-degree view of its environment, an exact localization and are able to detect whether the driver is capable of taking control of the vehicle.



2 Think: Processing and interpreting data
The vehicle computer is the central intelligence of the vehicle. The data of the surround sensors are processed and interpreted intelligently to make reliable forecasts, and to derive a suitable driving strategy.



A multi-layered security concept protects from external manipulation.



3 Act: Driving and implementing the driving strategy
Taking consideration of all sensory data of the surroundings and the localization, the vehicle derives driving maneuvers and steers itself independently, swiftly, safely and precisely through traffic. The automated vehicle steers, brakes and accelerates independently, thereby implementing the planned driving strategy.



Redundant systems offer safety even when one component fails.