Bosch develops driver assistance systems, that avoid accidents in urban traffic involving cyclists and pedestrians or at the least reduce their severity.

Automatic emergency braking on cyclists employs surround sensors to detect cyclists alongside and ahead of the vehicle and initiates a full emergency stop when required.

Car exit warning detects road users coming up from behind within a 20-meter radius. In case of danger, optical and acoustic signals provide a warning that prevents drivers and their passengers from opening the door.

Using video and radar sensors, the predictive pedestrian protection system warns of the risk of collision with pedestrians, initiating a full emergency stop if the driver does not react in time.

Automated mobility up to 43% of accidents involving cars and cyclists can be avoided or at the least reduced in severity*.

60 kph is the speed up to which the system can initiate an automatic emergency stop to avoid cyclists and pedestrians.

* in Germany, if every car would be equipped with automated emergency braking on cyclists; Bosch Unfallforschung