

Driver Assistance Systems at Volkswagen



Plenary Session

Sustaining Real World Safety
Through Innovative Technologies

Dr. Ulrich Hackenberg,
Stuttgart, 15th June 2009



The 4 cornerstones of Volkswagen's development strategy

valuable



fascinating



safe



eco-friendly



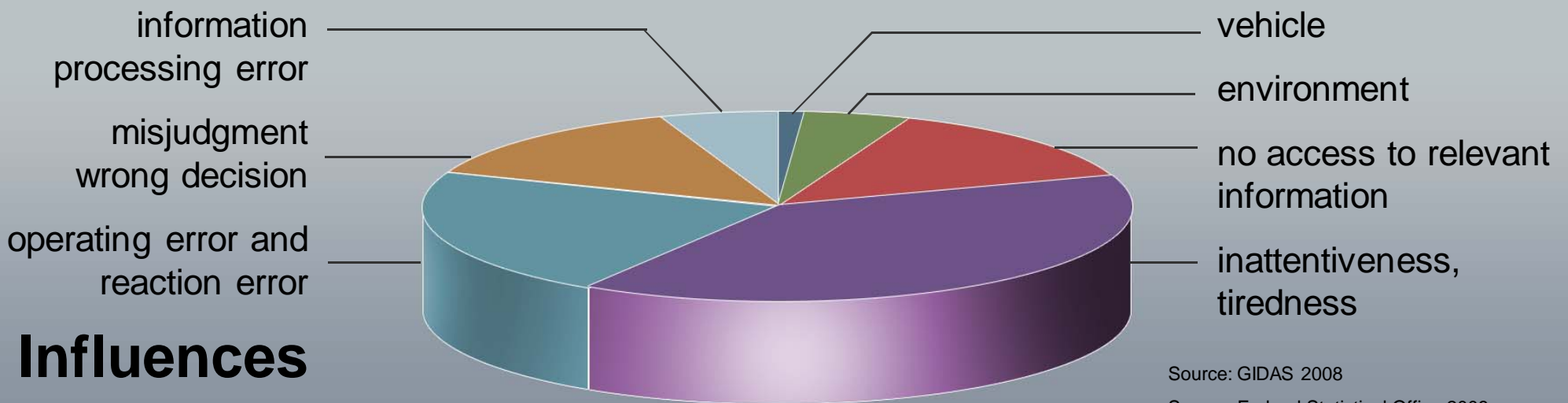
Results of Volkswagen's Safety Strategy



Global leader
in motor vehicle safety.



Driver as uncertainty factor: Causes of accidents



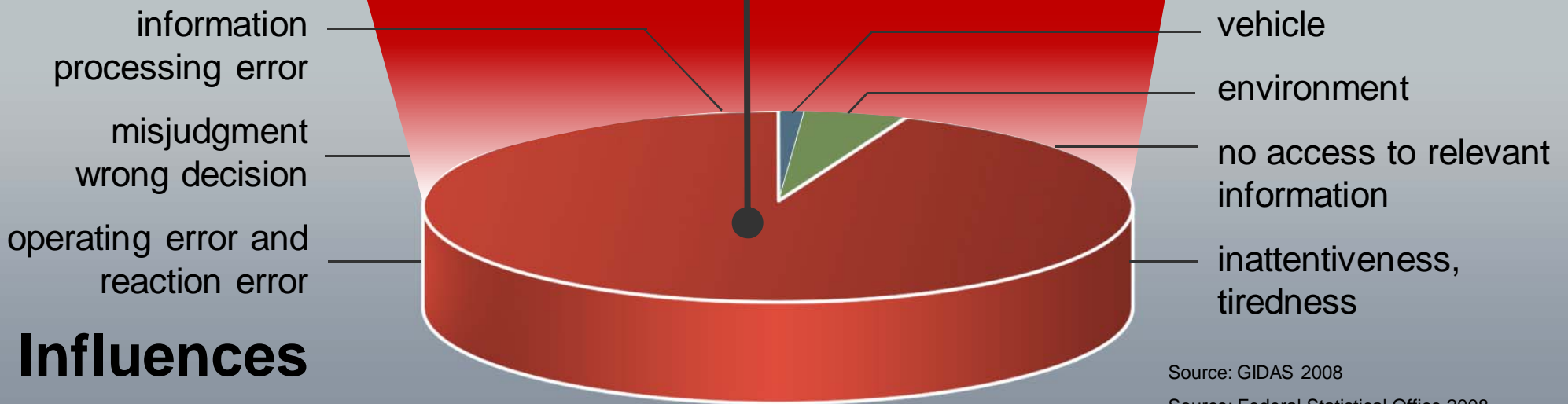
Source: GIDAS 2008

Source: Federal Statistical Office 2008



Driver as uncertainty factor: **Causes of accidents**

about 95% are human failures
or lack of relevant information



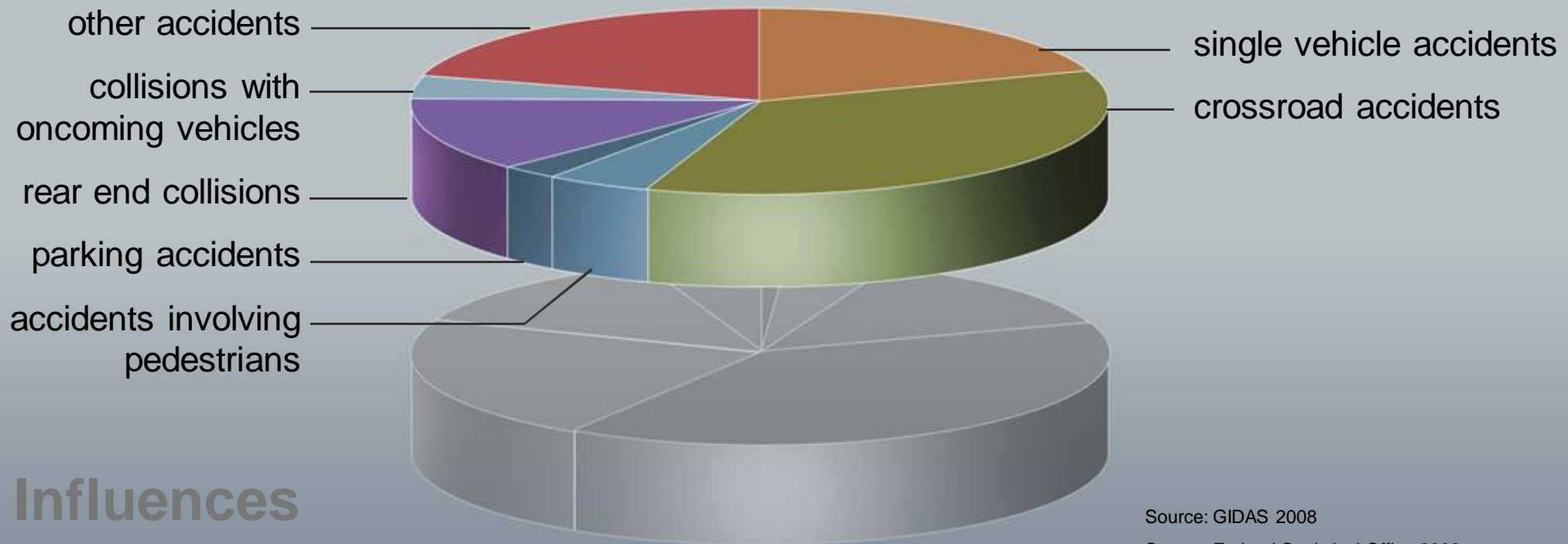
Source: GIDAS 2008

Source: Federal Statistical Office 2008



Driver as uncertainty factor: **Accident situations**

Accident



Source: GIDAS 2008

Source: Federal Statistical Office 2008



Accident avoidance: Active safety by driver assistance

Accident avoidance systems significantly depend on the development of sensing systems and recognition algorithms:



**Vehicles
that sense**



**Vehicles
that see**



**Vehicles
that communicate**

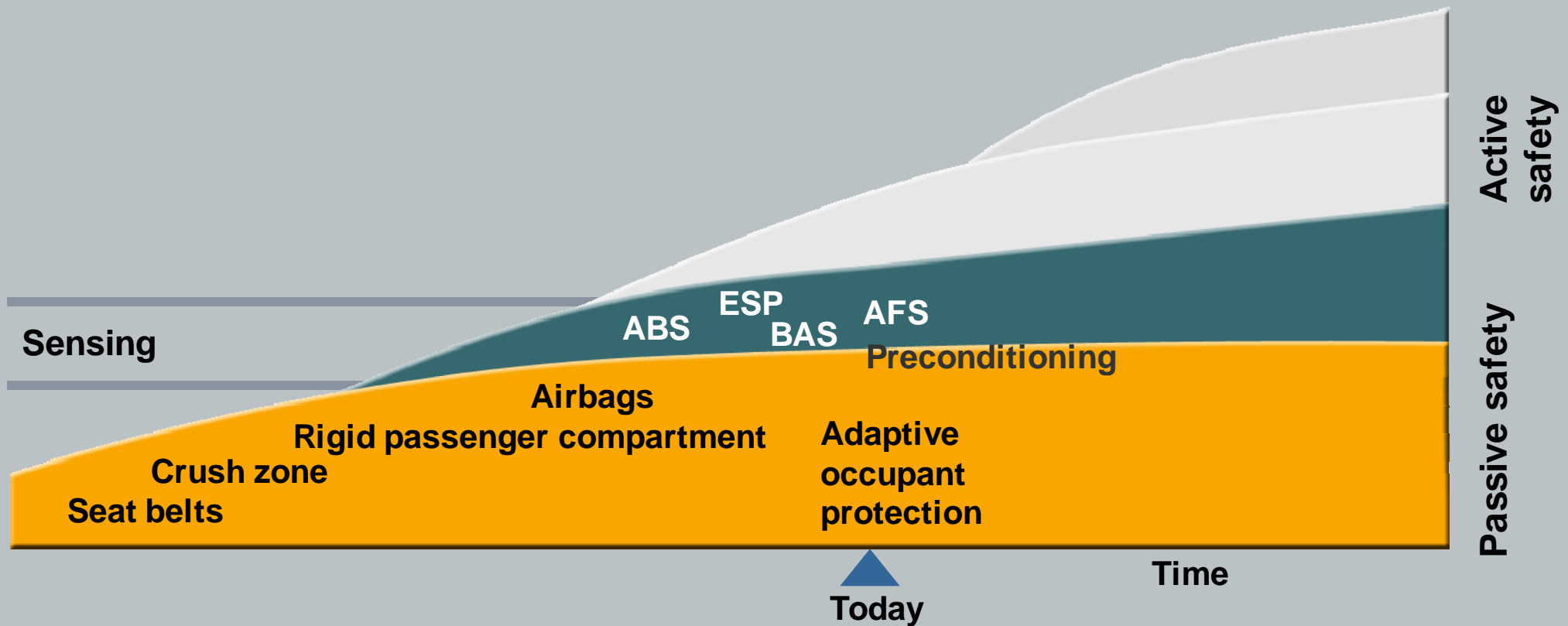


Accident avoidance: Active safety by driver assistance



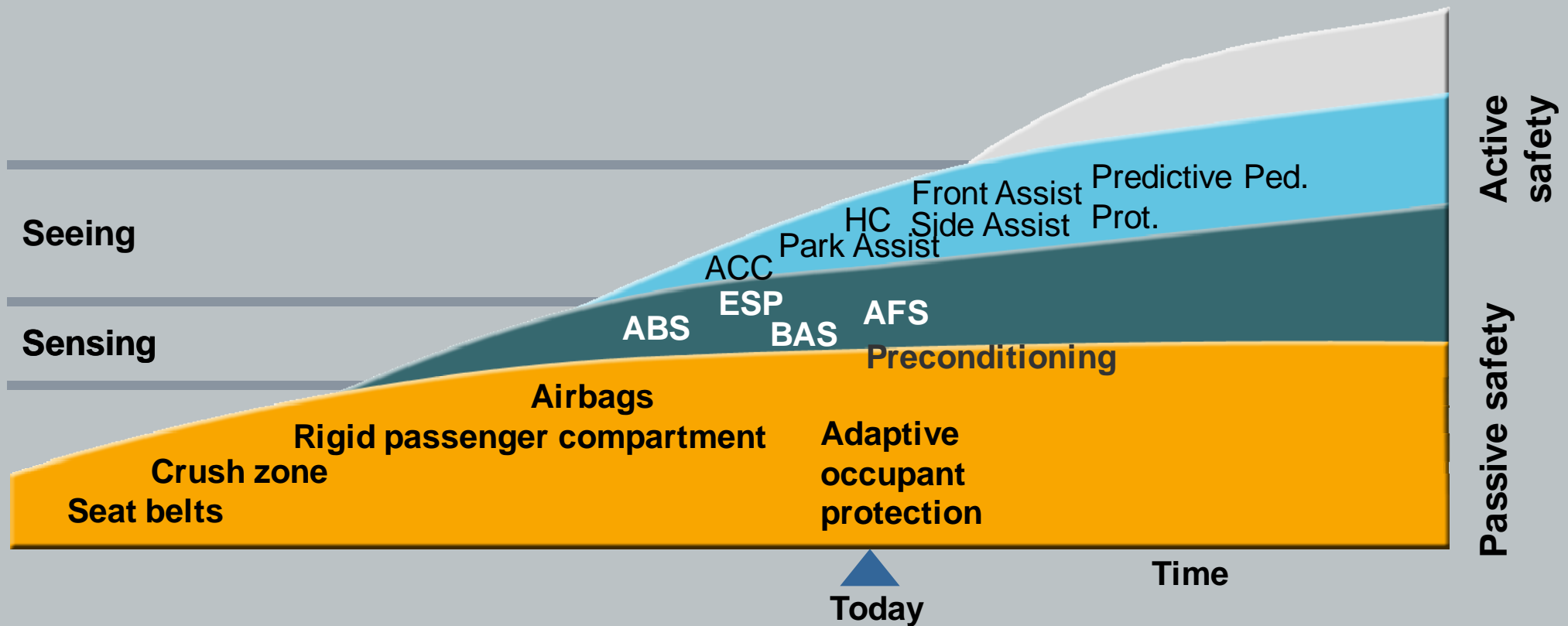
Accident avoidance: Assistance by vehicles that sense

Vehicle safety

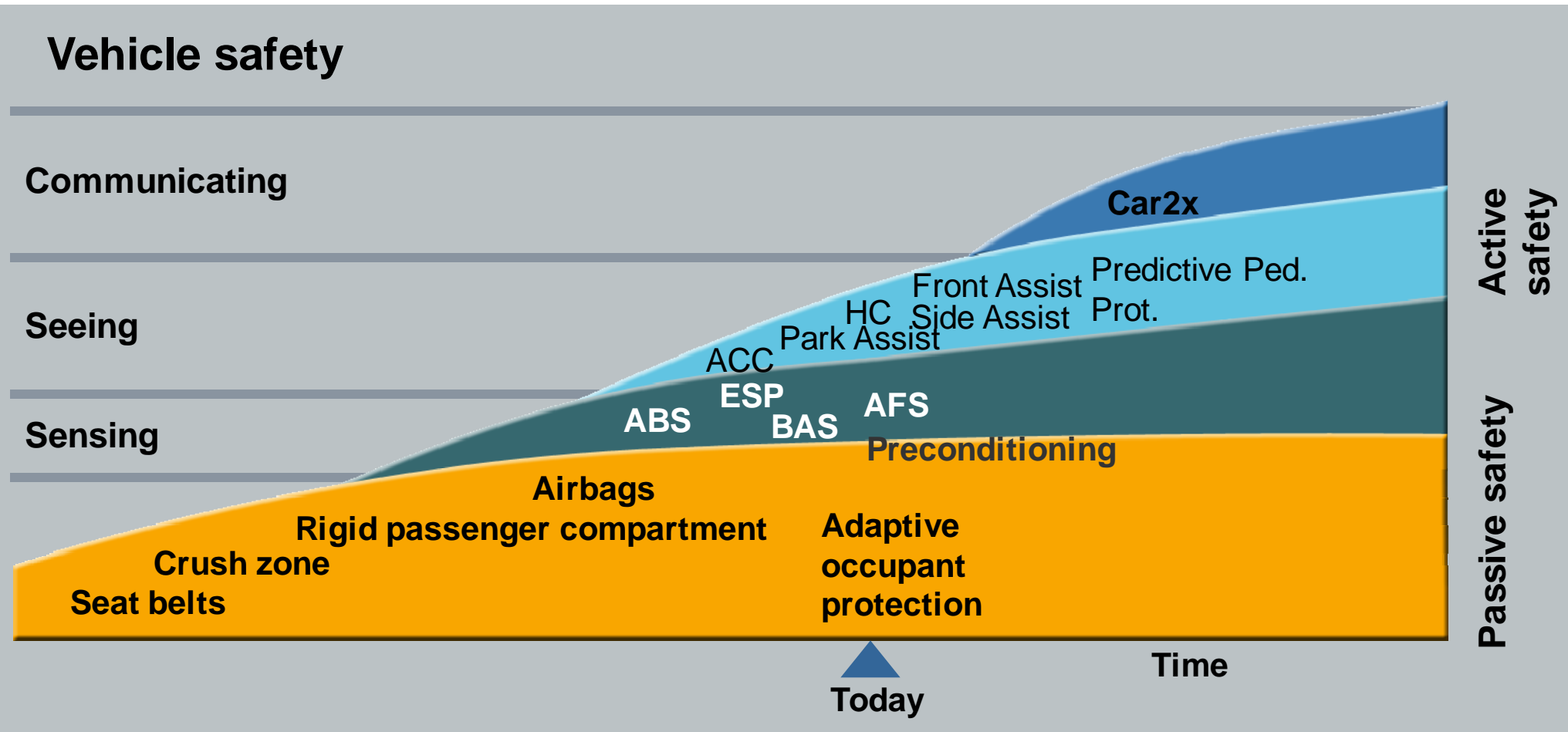


Accident avoidance: Assistance by vehicles that see

Vehicle safety



Accident avoidance: Assistance by vehicles that communicate



Volkswagen's Vision:

Safe Mobility for All

