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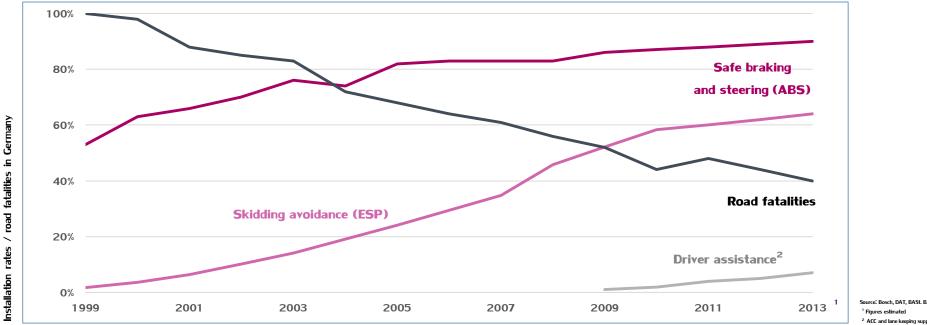
ADVANCED SAFETY SYSTEMS

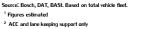


Road safety – influence of driver assistance

Number of road fatalities reduced by 60% within last 14 years

- ▶ 90% of all car accidents involving injury are caused by human error
- ▶ Introduction of further driver assistance systems will amplify positive trend







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Driver assistance – Assistance functions



Park and maneuver assistance

Travel assistance



Predictive pedestrian protection



Turn and crossing assistance



Driver monitoring



Light and sight assistance



Evasion assistance



cluster



Lane assistance



Predictive emergency braking



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Positioning: Our competence is your success factor



A pioneer in automotive radar technology

More than 35 years experience First supplier producing more than 1 Million 77GHz radar sensor



Extensive video experience

More than 20 years experience

Bosch 1s t supplier w/ Stereo Video as single sensor EU-NCAP - SOP



Expert in system design and sensor data fusion All technologies and competencies in-house Fusion systems in series production since 2009



Parking and maneuvering assistance

USS market leader, 25 years experience, 250 Mio ultrasonic sensors sold

Successful entry in near range camera biz 2013



Surround sensor portfolio



360° surround sensing by combination of different sensors

- → Long- and mid-range radar prerequisite for driving at higher speed
- → Satisfy reliability requirements by using multiple sensors for each area

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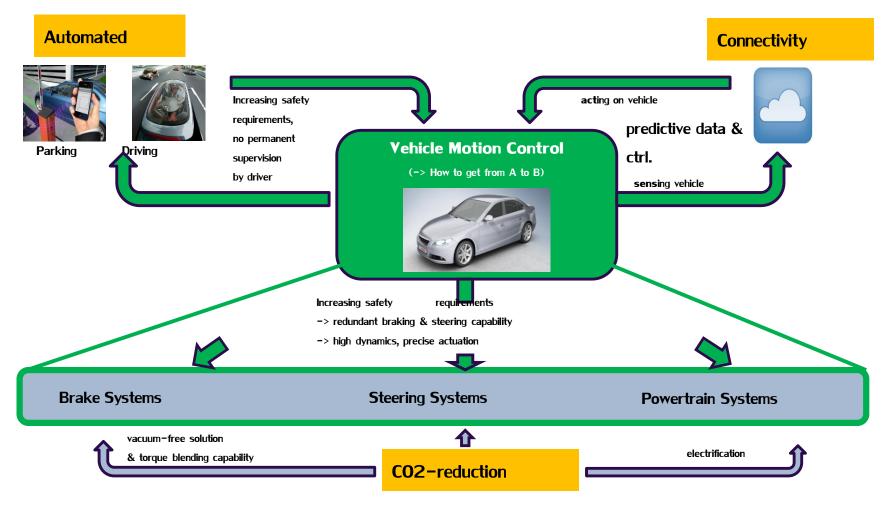


Requirements for Automated Driving



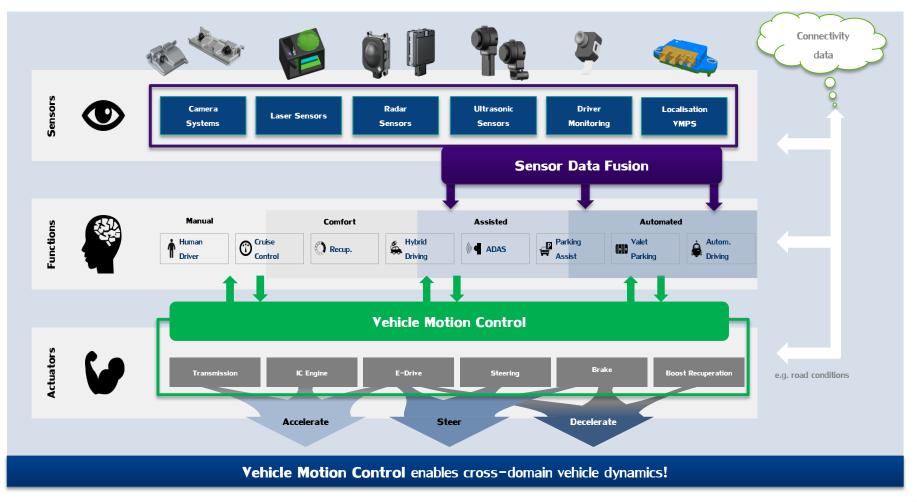


Market Trends and Drivers





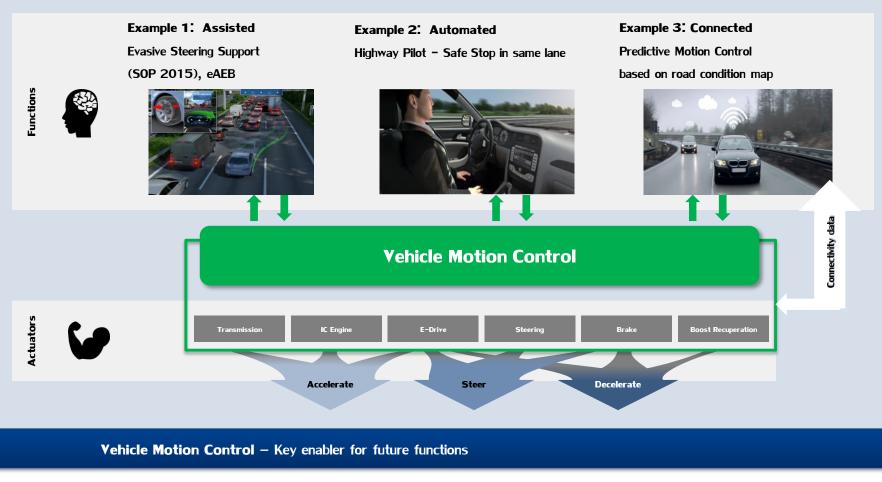
Vehicle Motion and Control – System of Systems





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Future Cross Domain Functions – Examples



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THANK YOU

FOR YOUR ATTENTION



