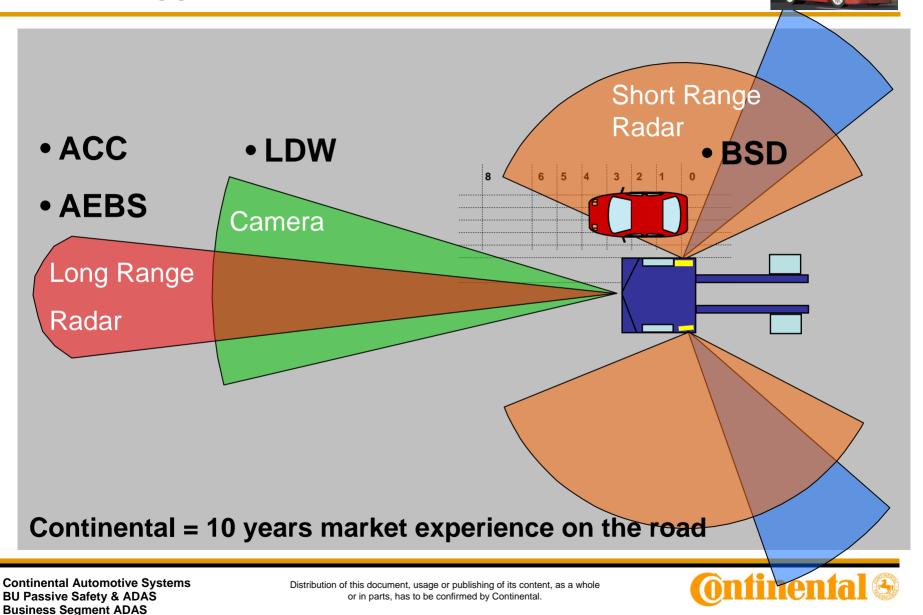


Products for Commercial Vehicles (CV's) Focus AEBS

Wilfried Mehr, 25.06.2009, Paris

Current applications in the market:



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Driver Assistance - "makes sense"



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The sensor portfolio is ready for AEBS and LDW



Radar





Camera



Technique

 24 GHz UWB Radar / short range

Applications

Lane Change Assist (LCA type 1)

Technique

• 77 GHz long-range Radar

Applications

- ACC + Stop&Go
- AEBS (Advanced emergency breaking system)

Technique

• CMOS Camera

Applications

- LDW
- Object Detection
- Speed Limit Monitoring
- Intelligent Headlamp control

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Radar for AEBS is mature and available in the third generation – approved by billions of Km on the road

2nd. generation ARS200

- On the road since 2003
- 3 beams, 9° field of view, 150m
- Mechanical alignment
- ACC
- AEBS

Third generation ARS300

- On the road since march 2009
- 17 beams, 56° field of view, 60m
- 17 beams, 17° field of view, 200m
- auto alignment by software
- ACC + Stop&Go

AEBS

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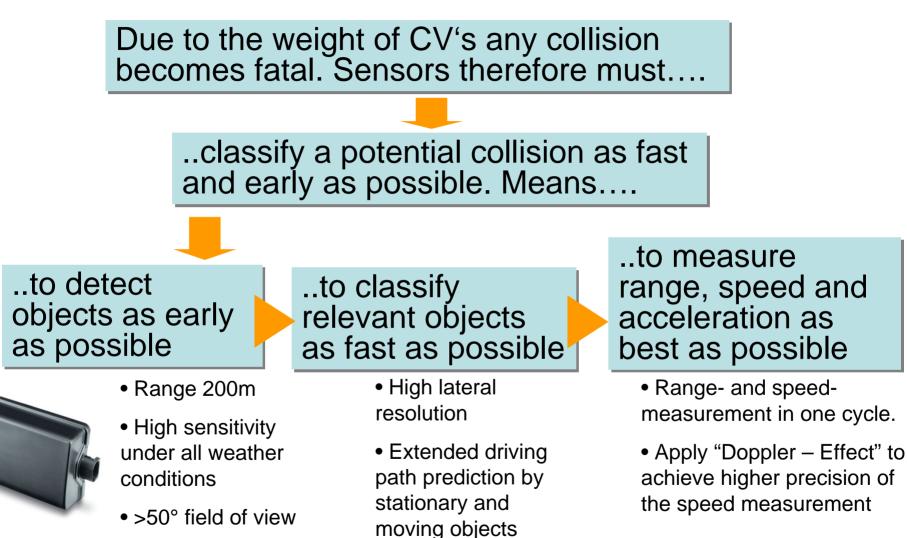






The nature of AEBS in CV's



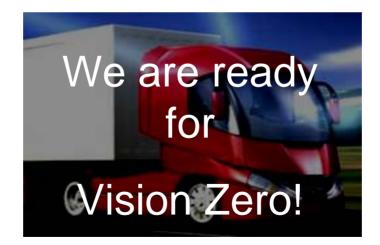


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Conclusion: The sensors are ready for the legislation

- Sensors for AEBS and LDW-Systems are available in a very mature status and tested over billions of Km on the road.
- The environment sensor for an AEBS must have a certain performance to support a adequate functionality – Reduced specifications would question the benefit of an AEBS.



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