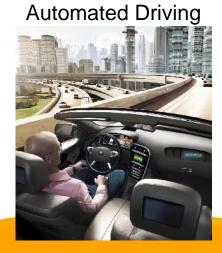


Driving Safety



Industry Trends

Electric Mobility





Digitalization



Connectivity



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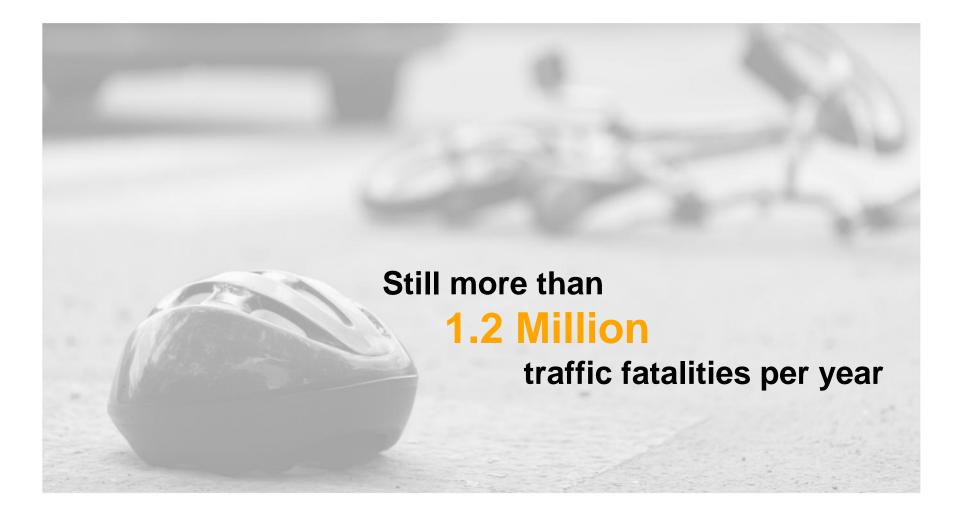


Assisted to Automated Driving: The Safety Story

www.continental-corporation.com

Chassis & Safety Division

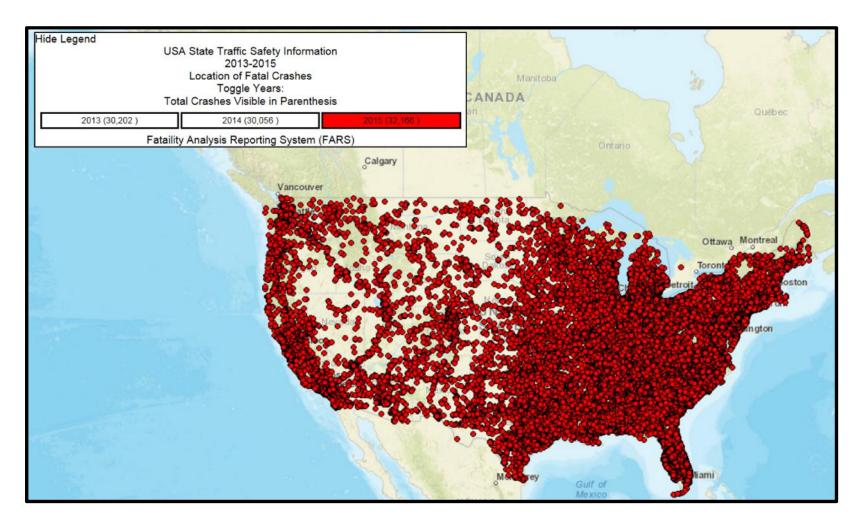
Traffic Fatalities





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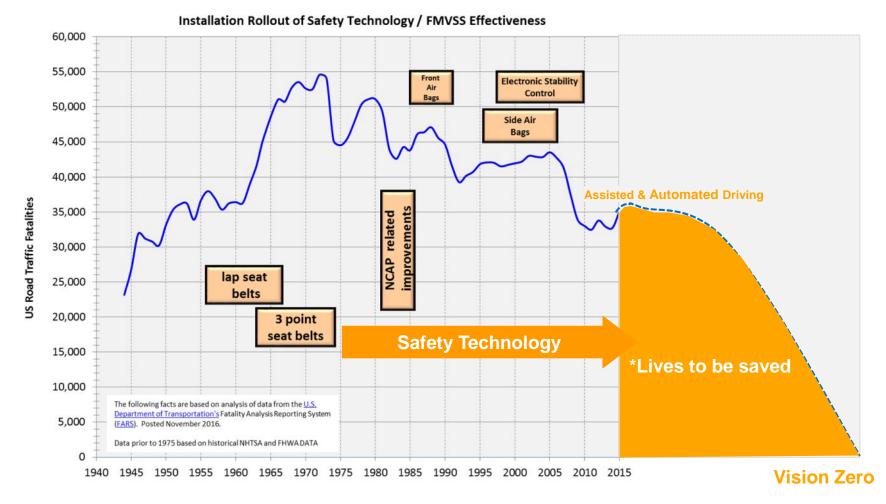
In 2015, there where over 32,000 crashes and 35,000 fatalities in the United States





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Safety Technologies are the Main Drivers in Reducing the Number of Traffic Fatalities



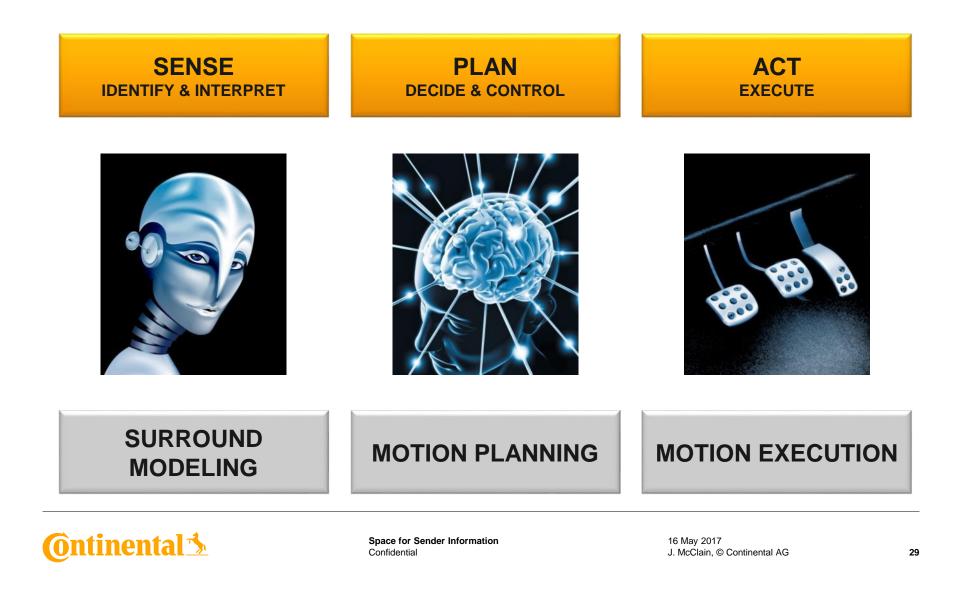
* Fatality data beyond 2015 is hypothetical for illustrative purposes only

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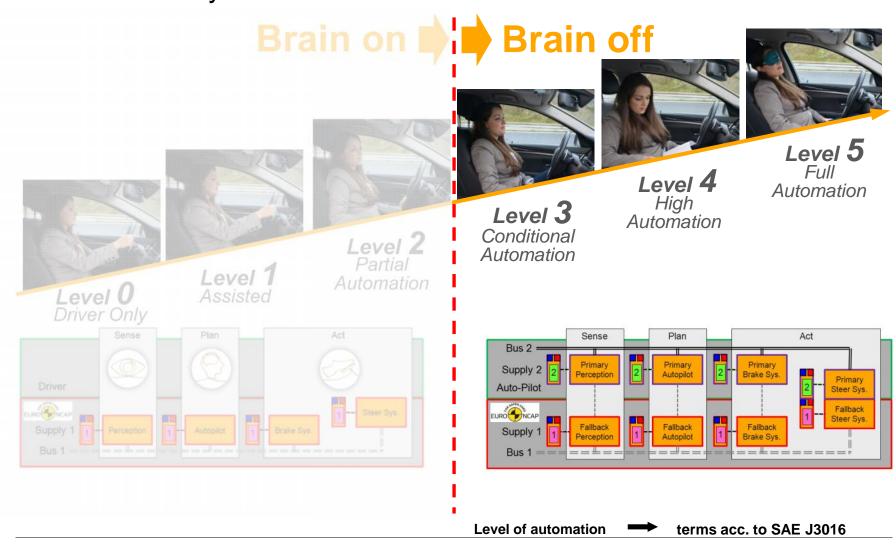
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The Safety Basics

If a car assists you, or drives you automatically, it must:



Automated Driving Level 2 and beyond

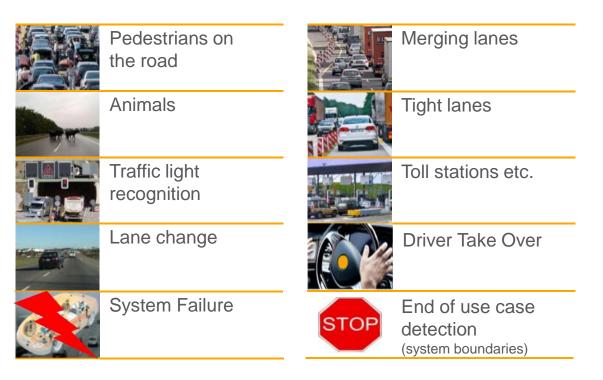


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Automated Driving Challenges..





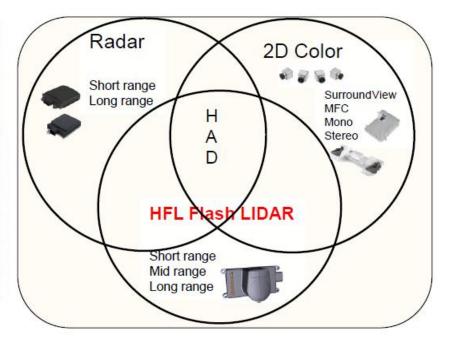
The list goes on...



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Redundancy of sensor data will enable safe Highly Automated Driving

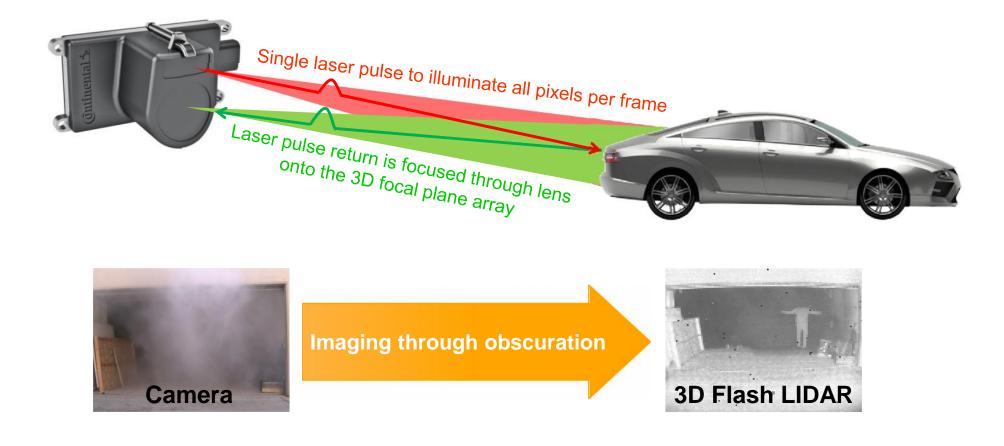
Detection	Camera	RADAR	Lidar
Color / Light	÷	х	x
Weather Robustness	0	+	0
Velocity Accuracy		+	0
Angle Resolution	+	-	+
Object Contour	0		+
Road Surface	0	-	+
Range Accuracy	÷	+	• •
Day vs Night	-	+	+
Detection Reliability	-	+	



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High-Resolution 3D Flash LIDAR

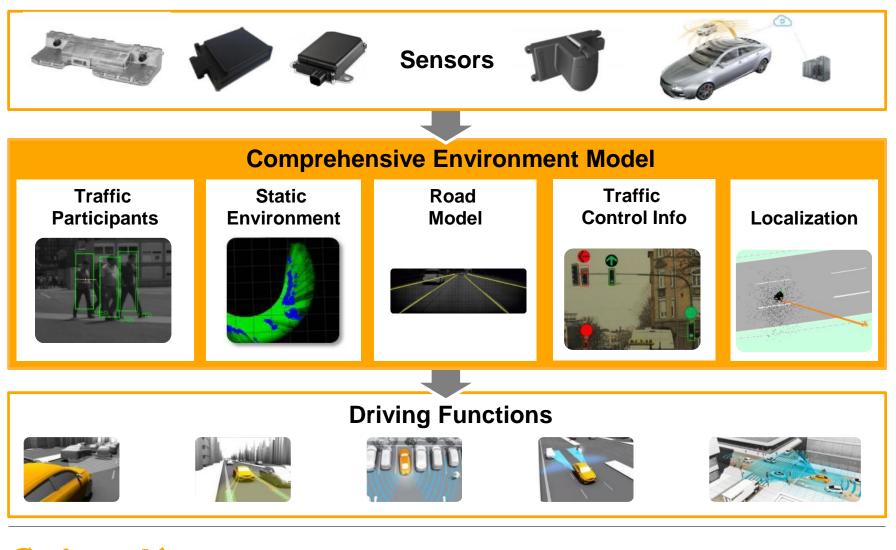


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Comprehensive Environment Model

Entire description of driving environment



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Highly Automated Driving @ Continental On the road since 2011

2017 Third Generation Cross-country tours

Nevada License

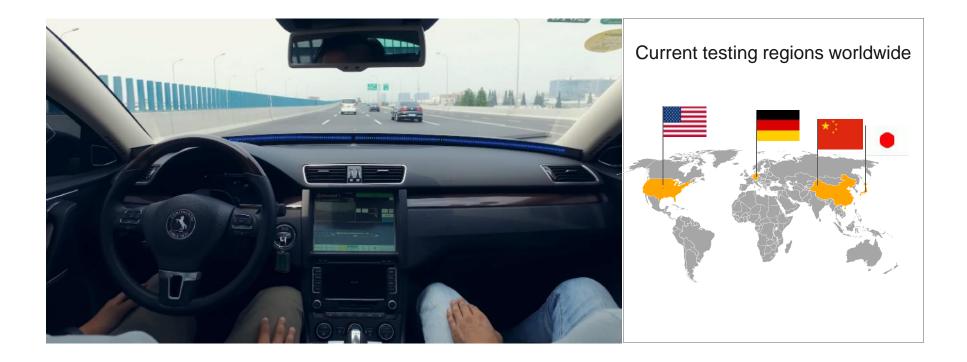




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Continental Worldwide development of automated driving





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Vision Zero



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Thank you for your attention!



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