Self-Driving Car

by Davy Willems

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Why was it created?

- To reduce pollution
- to save lives
- to cut driving time
- to make people more mobile

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Who created the self-driving car?

- Kyle Vogt created it
- Co-founder was Surgey Brin
- rivals are Tesla, Audi, Gm, and Mercedes Benz
- Trying to get other companies to bring self-driving cars into the mainstream by 2020

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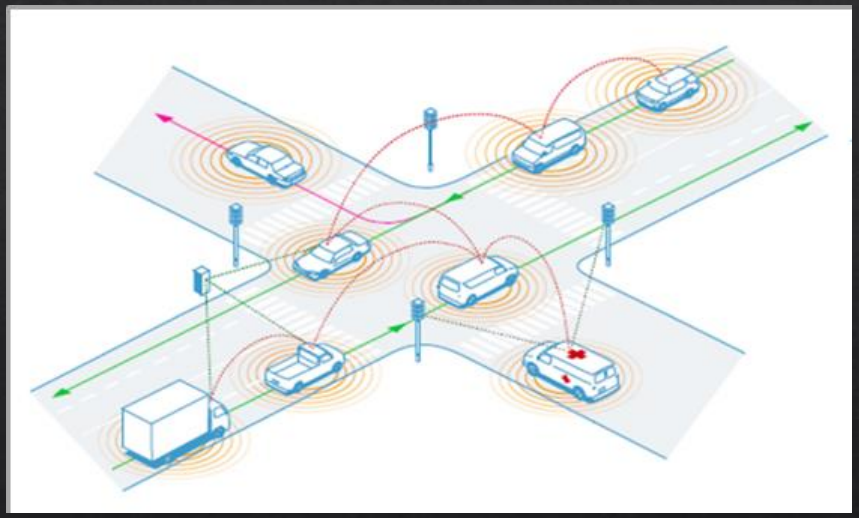
Two ways to move forward



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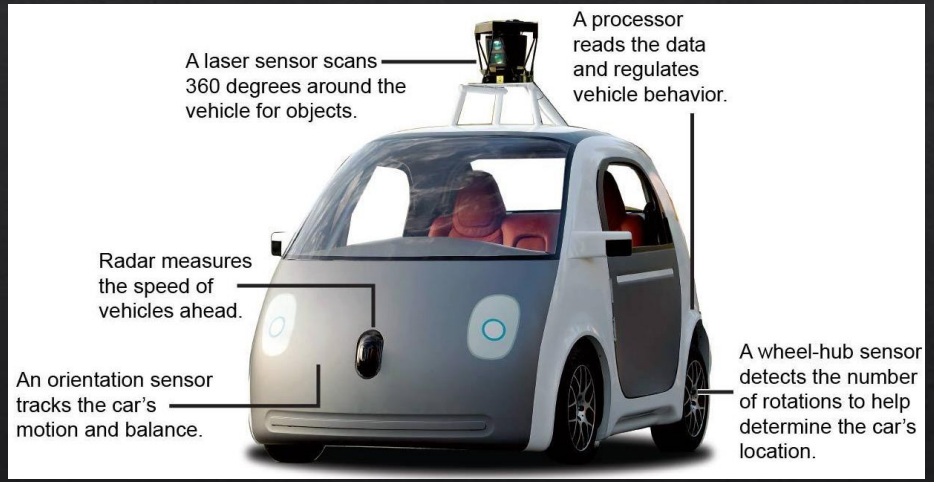
How does it work?

Automatic driving will generate additional revenue volume of up to $40 billion

- has laser and radar sensors and camera data
- allows car computer to "see" surroundings
- screen showing route



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The Effects of it's creation

- lower insurance costs
- smaller parking lots
- lower injury/ death rates
- safer roads
- people with disabilities can drive
- comfort

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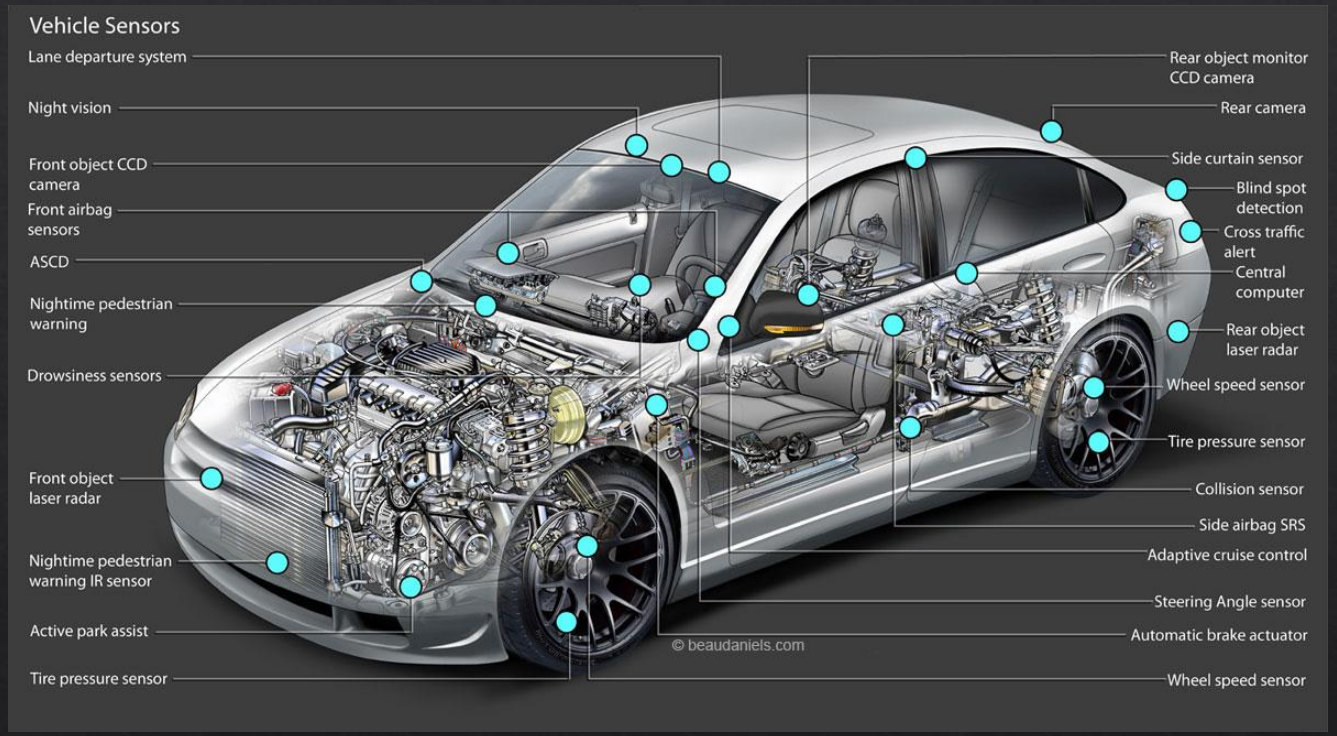
Guaranteed Safety!



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Car Safety Sensors

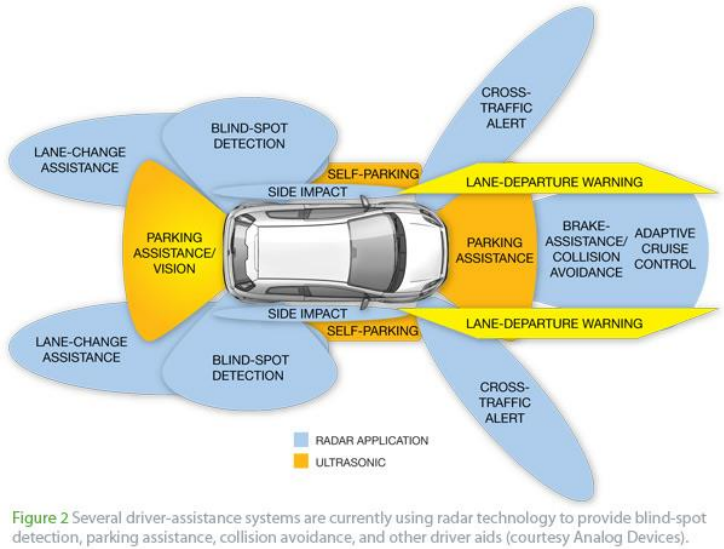
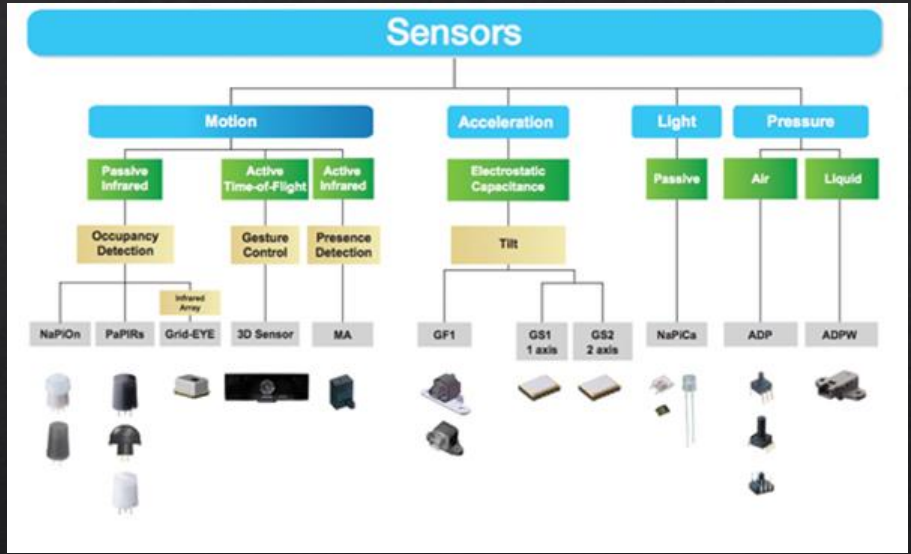


Figure 2 Several driver-assistance systems are currently using radar technology to provide blind-spot detection, parking assistance, collision avoidance, and other driver aids (courtesy Analog Devices).



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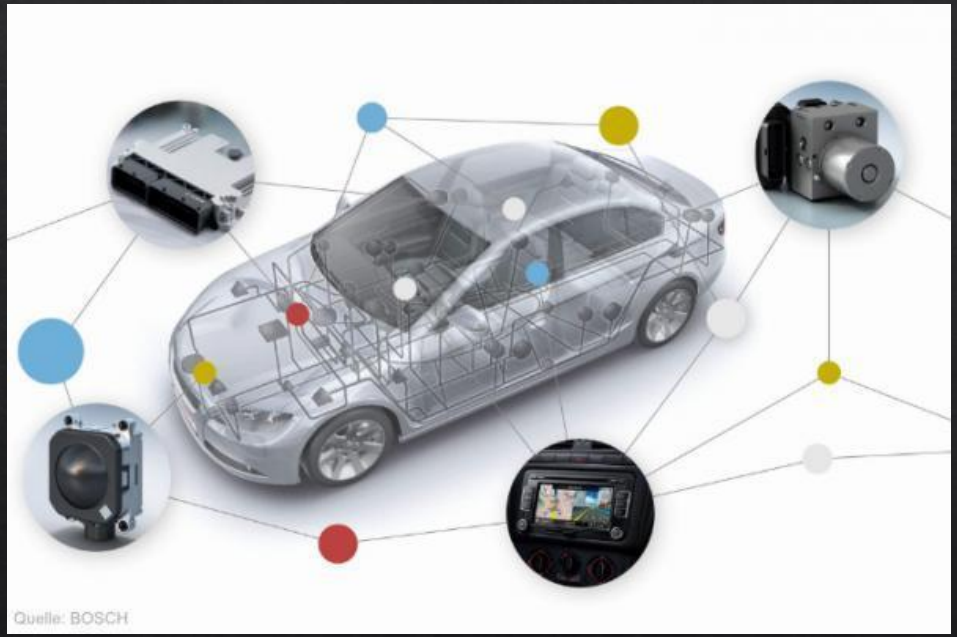
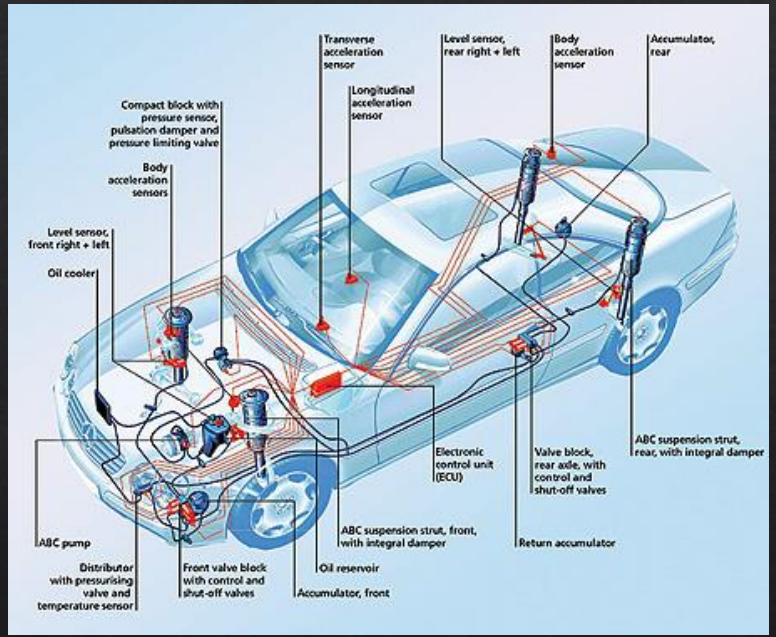
Car Safety actuators





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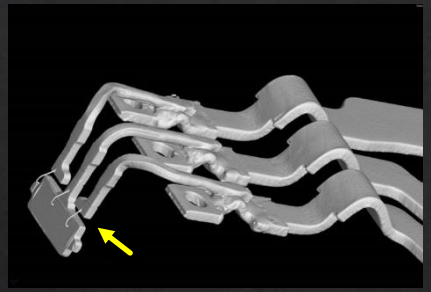
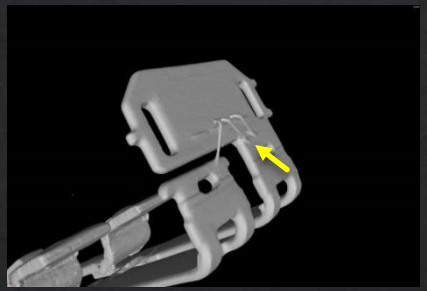
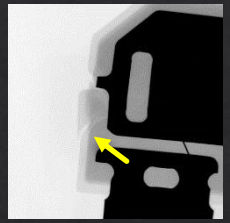
Possible safety issues

Checking internal connections inside embedded sensors

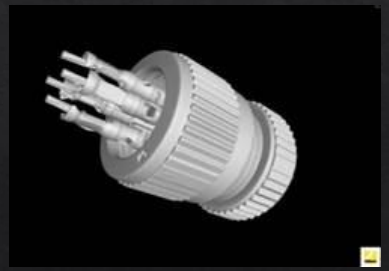


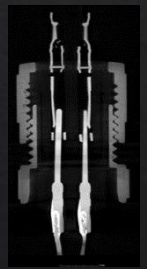


Housing crack around this connector (X-ray image)

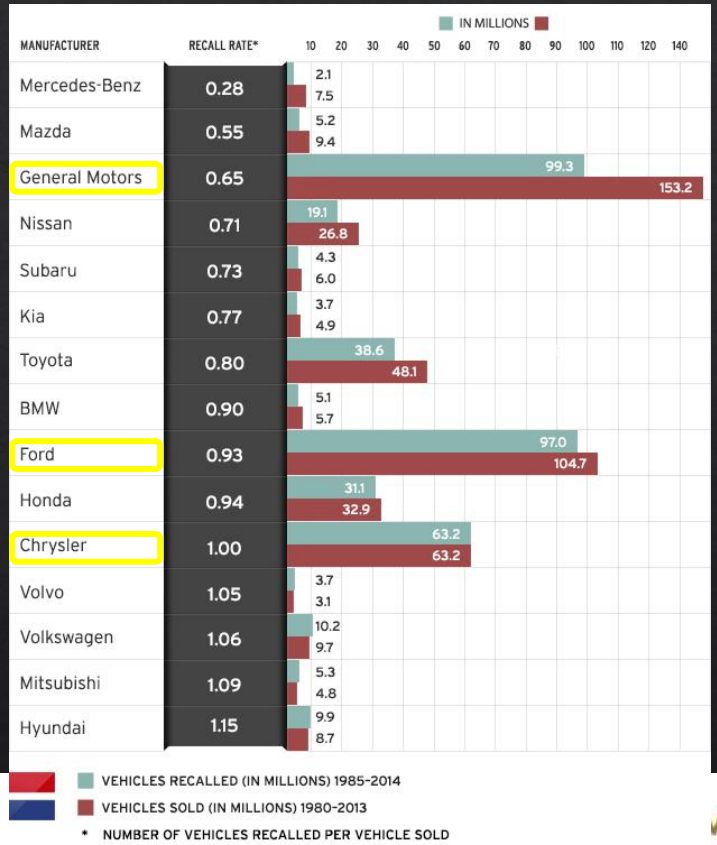


Cable connector contacts





Expensive recalls



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Thank you, Nikon
Booth 7D081

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