Intel — On The Road To Autonomous Driving

Enabling safer, more productive and enjoyable travel



93% of all auto accidents are caused by human error.1

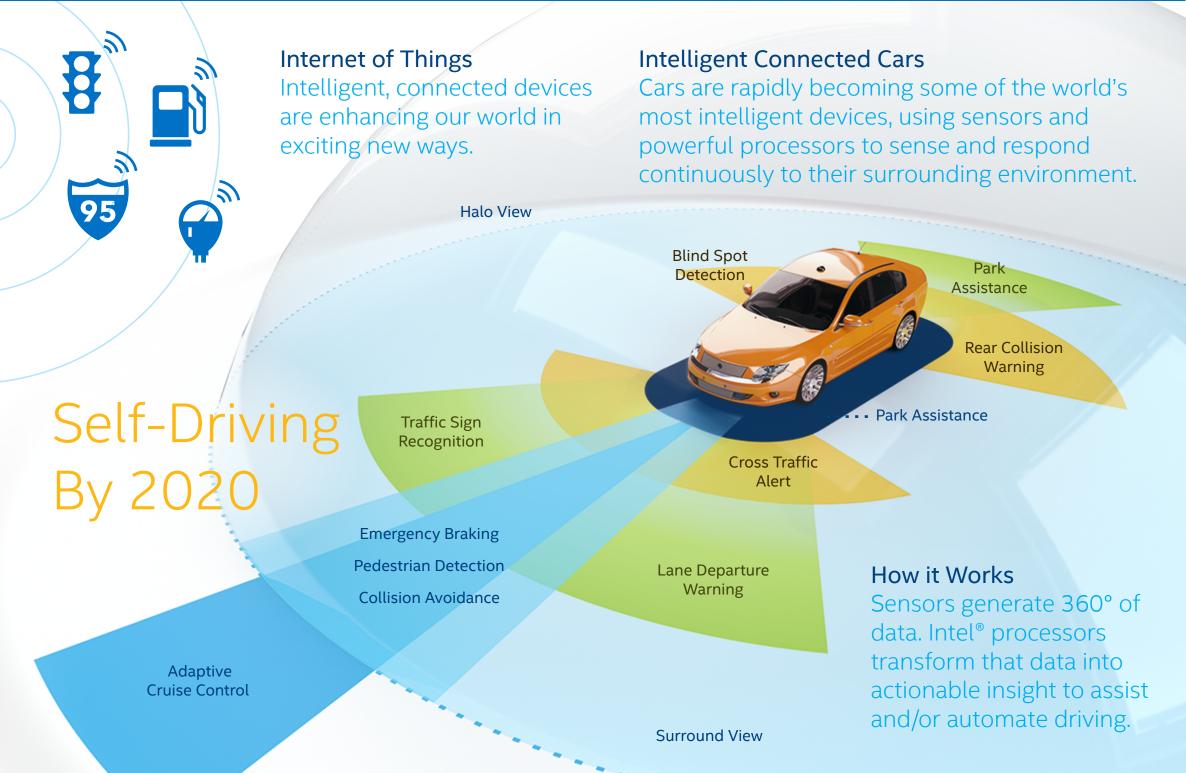
Auto accidents cost an estimated

\$871 billion per year.2

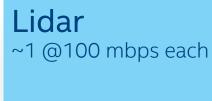
Potential to recapture 5.5 billion hours of productivity lost in traffic.3

The number of people 80+ years old will be ~3x greater in just a few decades. Automated driving can extend their independence.4

All statistics based on U.S. data.









Cameras

Short/Medium Range Radar ~4 @45 mbps each





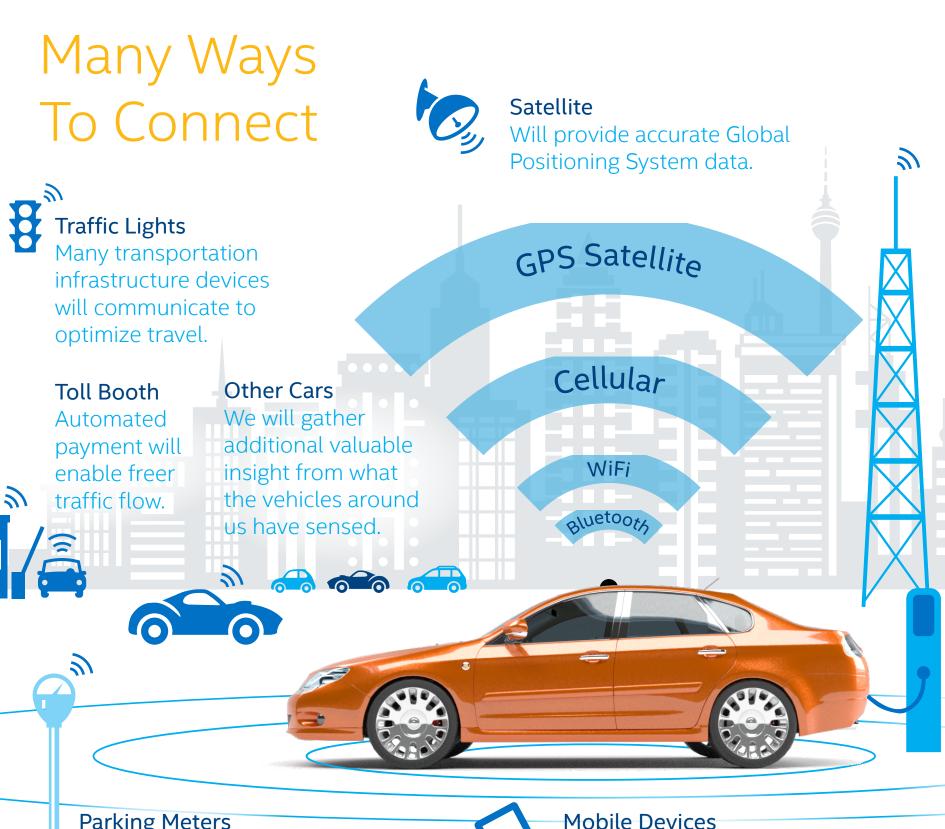




Ultrasonics

~15 @30 mbps each

Total sensor data >=1Gbps



Parking Meters Meters will report their availability,

restrictions and costs to help us identify where to park.



The car will also provide connectivity

for driver and passenger devices within the car.

Cell Tower

Cars will connect to the Internet and cloud services over 3G and 4G.

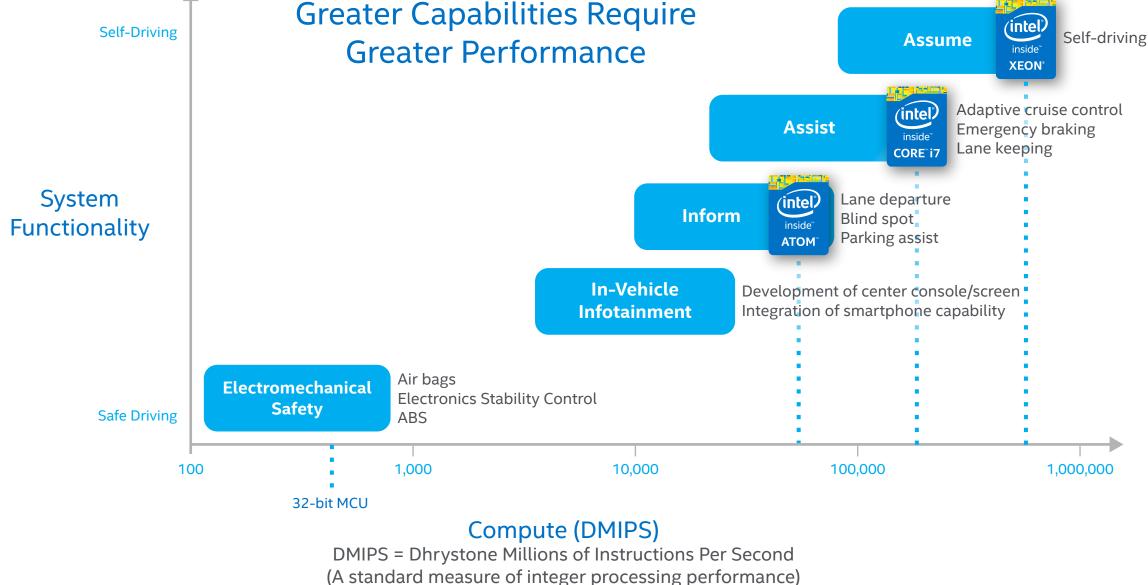
Gas Pump

Fuel retailers will deliver promotional marketing and simplify transactions.



Charging Station Stations will provide automated. flexible payment (subscription, one-time, etc.).

Automated Driving = Big Data + Big Intelligence And that requires big performance



Why Intel?



Proven leader in real-time, Big Data analytics

Scalable Performance

- ADAS accelerators and optimizations
- Ever-increasing performance (Moore's Law)
- From basic to premium performance

Enhanced Security

have capability for intelligent, connected cars.

Advanced security is a must-

Built-in hardware-based security helps protect data and platforms.

*Other names and brands may be claimed as the property of others.



Performance Time

Moore's Law

Industry Partnerships and Leadership Intel® architecture has the world's

- broadest support among hardware and software suppliers.
- Intel's leadership role in computing will help accelerate standards and innovation.

For more info, visit us on the web.

www.intel.com/automotive

1 National Highway Traffic Safety Administration (NHTSA), National Motor Vehicle Crash Causation Survey. U.S. Department of Transportation, Report DOT HS 811 059, 2008 2 National Highway Traffic Safety Administration (NHTSA) study, "The Economic and Societal Impact of Motor Vehicle Crashes", 2010 3 Texas A&M Transportation Institute, "2012 Urban Mobility Report", p. 5, December 2012

4 United States Census Bureau, "2012 Population Estimates and 2012 National Population Projections", December 2012 © Copyright 2015 Intel Corporation. All rights reserved. Intel, the Intel logo, Intel Atom, Intel Core and Intel Xeon are trademarks of Intel Corporation in the U.S. and/or other countries.