

The Intelligent Car

(Almost) as Smart as You

The **Internet of Things (IoT)** is spurring the development of innovative technologies that are delivering new ways for cars to inform, entertain and assist drivers in a safe and comfortable way. Here's a look at how technology is changing daily commutes, both now and in the future.

TODAY Car owners and buyers want the latest technologies in their vehicles, and safety is key.

- 60% of roadway collisions could be avoided with half a second's warning
- 90% of collisions could be avoided with a full second's warning

Intelligent Maintenance

Local analytics could be applied to thousands of on-board sensors to flag abnormal events and take corrective action. The data may then be sent to automakers for deeper insight into trends across entire vehicle fleets.

Smart Traffic Environments

Smarter traffic management could **reduce vehicle wait time by 40%, and travel time by 26%**. Think smart street lights and roads that better manage traffic flow efficiency, and street signs that display relevant location-based data.

TOMORROW

Car buyers will now have demands too!

- 69% said they would like to use a semi-autonomous lane-keeping system
- 63% would like to use car-to-car communications
- 63% would welcome a fatigue warning device in their vehicles

Vehicle-to-Vehicle Communication

Intelligent cars have the potential to **reduce 79% of crashes** by exchanging information about location, speed and direction. As a result, cars could then take proactive measures to keep traffic moving efficiently and safely.

Data, Data Everywhere

152 million connected cars will be on the road by 2020, generating 11 petabytes of data annually. Intelligent cars could collect and analyze data from each other, the cloud and the transportation infrastructure to provide the right information, at the right time, and in the right way to keep drivers safe.

