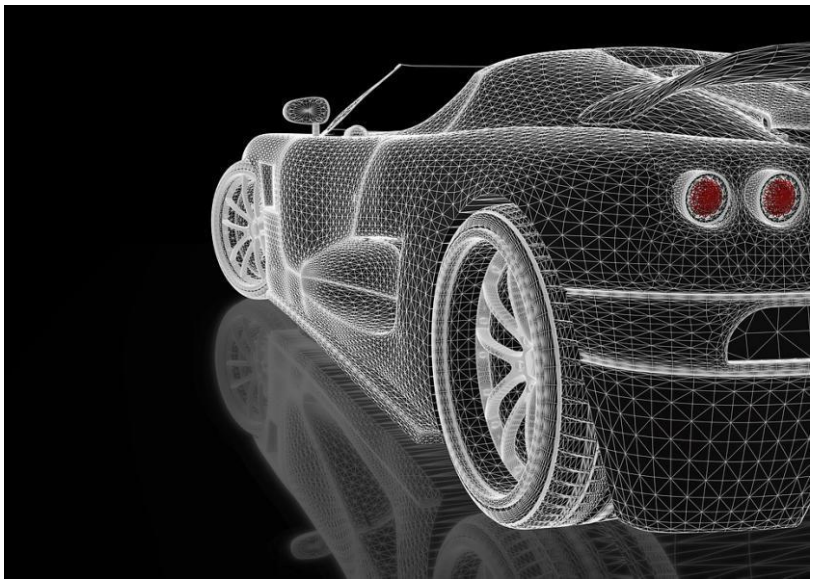
Who Will Drive Your Car in the Future? Why, Your Brain



Have you ever reflected on a car accident and wished you could've reacted faster?

Well, the future is here, and researchers are working on breakthroughs that could spare you this pain. Driverless cars are gaining traction, but they haven't become mainstream, so you may be skeptical of the technology. No worries. Extensive safety tests are showing positive results that will help to usher in this entirely different driving experience.

There are many benefits of driverless cars, including the following:

- Lower pollution through car sharing
- Fewer accidents due to tired drivers
- Increased mobility for those with disabilities

Still, you may be wondering, "What about us?"

This is a valid question. What will happen when our association-driven minds are forgotten as empty driver's seats become the norm?

Nissan, a well-known Japanese automobile manufacturer, may have the answer in the form of shared control. Known as Brain-to-Vehicle (B2V) technology, your brain will combine with your vehicle, allowing faster reaction times, increased safety, an enjoyable commute, and continued control of the car.

Accidents are not your brain's fault. Your brain is a dense interconnected forest that processes extremely fast. As in 100 million executions per second fast, but the signal from your brain to your body is delayed. So, why not use your brain instead of your reflexes?

Nissan announced this drive-assist feature in January of 2018. The exact mechanics are still murky, but they involve a headset equipped with electrodes that attach to your scalp.

Electroencephalography (EEG) is used to capture your brain's signals, and this data is transmitted to your car so it can mimic the ever-changing nature of your brain.

To delve deeper into the mechanics of brain-assisted cars, Nissan paired with two companies: the National Institute of Scientific Research of Canada and Spanish-based company, Bitbrain. Over decades, Bitbrain has specialized in technology that merges the human brain and computers, They have found that the B2V technology may transmit your intentions 0.2 to 0.8 seconds faster than you can execute them.

However, here's the kicker: this technology isn't new. It was first discovered in 2011, and since then, automobile companies like Jaguar and Renault have attempted to harness it.

Do you think Nissan will be the company to finish this breakthrough?

Are you ready for it?

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