

THE IMPACT OF SELF-DRIVING CARS ON THE WORLD'S FUTURE

Chubryk M. V., student

Scientific supervisor – Aljoshina N. V., lecturer
Belarusian National Technical University
Minsk, Republic of Belarus

Modern cars are being regularly improved through the introduction of new technologies and automatic systems. This significantly increases their efficiency and convenience. Nowadays, many companies (Google, Uber, Tesla, etc.) are developing self-driving cars. It all makes people think about how our lives will change after the appearance of fully automated cars.

Driverless car must be able to get to the destination, avoid collisions and park without human assistance. The widespread use of self-driving cars will have an impact on many areas of human life. The most obvious advantage of it is increasing the level of safety on the roads. It's no secret that the vast majority of accidents on the roads happen due to the human factor (speeding, drunk driving, lack of attention). Driverless cars rely on information collected from a variety of sensors, use the experience of other autonomous cars, making the driving safer and more efficient, so autonomous vehicle will help save many lives. In addition, automation will allow people to do important things while travelling and not to waste time on driving a car. It will also make driving more accessible for people without a driver's license or people with disabilities.

However, self-driving cars also have disadvantages. For example, such systems may be vulnerable to hacker attacks, which can lead to a large number of victims. Autonomous cars can also significantly increase road traffic. In addition, there is a difficult moral question: in a situation where the system will have to choose between the lives of several people, which choice will it make and will it be the right one?

At the moment it is impossible to say with certainty, if self-driving cars will bring harm or benefit. But the automobile industry and our lives are undoubtedly at the brink of lots of changes in the near future.