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## **IMPACT OF AUTONOMOUS VEHICLES ON WORKPLACES**

Autonomous vehicles are an industry, which rapidly develops and it influences numerous spheres of our life: logistics, economy, service sector. In logistics, autonomous vehicles are very promising, as large companies have a great need for truck drivers. Self-driving trucks can solve this problem. The drivers will not lose their jobs but will help to develop this branch. They will be like the captain of an airplane, intervene in critical situations.

The use of autonomous vehicles offers certain advantages when compared to vehicles that are driven by humans. One of these potential benefits is increased security. Automated vehicles can potentially reduce accidents because the software they use is likely to be less error prone than humans.

Autonomous vehicles in logistics are a significant part of the logistics workflow. While there are still no autonomous trucks that transport thousands of tons of goods across the open road, autonomous forklifts and robotic arms are commonplace in modern warehouses. They load, unload and transport goods within the warehouse, connecting with each other and forming flexible conveyor belts. These tasks require advanced sensors as well as vision and geosteering technology. Besides warehouses, we can also see autonomous vehicles in logistics at airports, harbors and shipyards [1].

Autonomous vehicles it is not only self-driving trucks, it are also vehicles that operate within a warehouse. At the moment, this industry is much more developed than driverless cars and trucks. robots load, unload, move goods inside of the warehouse. They connect to one another making one flexible conveyor belt [2].

The main thing for people will be how it will affect their jobs. We can confidently say that automatic vehicles will create jobs in monitoring, engineering and optimization. Logistics companies will recruit people that can troubleshoot robotized vehicles. People will be needed to automate and optimize warehouse robots and laying the most resource-intensive routes [3].

At the same time logistics is connected with other areas of our life. Drivers often stop at gas stations, motels, restaurants to relax. With the advent of the autonomous truck era, the service sector will be at a loss.

Increasing demand for autonomous vehicles will create jobs for skilled workers, as mechanics, dispatchers, robotics, optimizer who can maintain the work of robots on warehouses and roads. However, the development of driverless cars and trucks will impact restaurants on the road, motels. The amount of them will decrease correspondently to the number of autonomous vehicles on roads. Also, it will influence unqualified workers, because they will be replaced by robots.

#### **Reference list:**

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