

As for the benefits, car bodies, security systems, materials — everything will be much simpler and several times cheaper than a regular car. Service to such machines will be required much less often, and will be made with minimal human involvement, that is, very cheap. The cost of insurance due to the vanishingly small number of accidents will be constantly reduced.

The disadvantages of the drone include the human factor. An unmanned car does not require a driver, but people who are capable of making a mistake are still engaged in its development. Software can hack hackers, in the end they can hijack a car. Another drawback may be the lack of privacy. That is, the owner of the car will not be able to go and hide somewhere, because at least one person will still watch his movement.

Unmanned vehicles are considered the vehicle of the future. They have huge advantages, because the number of accidents on the roads is reduced. Many people suffer from road accidents: money is spent on repairing a car, on treating health, and in the most difficult situations, it ends in death. Drones minimize their likelihood of occurrence. People may not immediately accept such a novelty in their life, and it is unlikely that such cars will completely replace ordinary cars.

If an unmanned vehicle will be massively distributed, you should carefully weigh all the pros and cons before purchasing it. A person who is unable to accept that he will be under the control of others, it is better to refuse the purchase. And if he wants to calmly move along the road and not depend on the driver, then it is better to purchase it.

References

1. <https://studfile.net/preview/5768649/page:3/>
2. <https://efut.ru/a/161-pljusy-i-minusy-jelektromobilej.html>
3. <https://plusimiusi.ru/osnovnye-plyusy-i-minusy-bespilotnyx-avtomobilej/>
4. <https://zen.yandex.com/media/id/5d9179ff1ee34f00ae3e70b6/bespilotnye-avtomobili-pliusy-i-minusy-5da7182dc0519868a65aa760>
5. <https://www.drive2.ru/b/2120101/>
6. <https://army-news.ru/2018/11/samostoyatelnoe-budushhee-bespilotnikov/>

ORIGIN AND DEVELOPMENT OF TRAMS

Vernyhora O., student

Voronova Ye. M. Associate Professor

Kharkiv National Automobile and Highway University

Tram is the quietest and most practical public transport. Because this is a unique type of transport, which originated in the 19th century and still works now. This is a rail land public transport, mostly street, which is designed to transport people within the city. Trams originated in the first half of the 19th century. The world's first horse tram was opened in eighteen twenty eight (1827) in Baltimore (USA). Horses were not comfortable to pull, so they began to replace them to cable traction. It's still used as a monument in San Francisco today. Because it was a lucrative business, electric trams quickly gained popularity. there was a tram boom.

After the First World War, the tram was perceived as an outdated way to moving. Cars and buses became more modern. because of this In many cities around the world, tram lines have begun to close. As early as the 1970s, it began to be understood that mass motorization brought great problems to the city - smog, congestion and lack of space were acute in urban management. At this time, transport policy was gradually revised in favor of public transport. New tram systems have been opened in Canadian cities, Paris, London, and so on. what are the advantages of a modern tram? 1.convenient for passengers You do not need to get up somewhere, cross, just stop on the sidewalk, wait for the tram and get on. 2.Cities with the right transport infrastructure fast to move around the city. 3.Comfortable for the disabled and ordinary citizens 4.led to a reduction in air emissions to 80%, makes the street tram-pedestrian. It has a positive meaning because when we clean the roads, the number of traffic jams in the city is reduced. Thirdly, cleaning cars from the city roads saves a lot of city land used effectively.

References

- 1.<https://uk.wikipedia.org/wiki/Трамвай>Трамвай
- 2.<https://tram.city4people.ru>Трамвайные истории
- 3.<https://city4people.ru/post/европа-vozvrashchenie-tramvaya.html>Европа: возвращение трамвая