

ELECTRICITY AND AVIATION

Today, aviation is one of the main sources of carbon dioxide and other harmful substances in the atmosphere. This poses a serious threat to our environment and natural resources. Therefore, the solution to the problem of reducing emissions depends on how we can change the way we design and operate aviation systems.

One possible solution is the use of electricity in aviation. Electric engines can replace traditional engines that use oil and gas to generate power. electric aircraft can achieve much greater economic efficiency and environmental safety, as they do not emit harmful substances into the atmosphere.

One of the advantages of electric aviation is the reduction in operating and fuel costs. according to official reports, the cost of operating an electric aircraft is reduced by 10 times compared to a traditional aircraft that uses oil and gas. In addition, electric aircraft can fly much quieter, which reduces the harmful impact on the environment and reduces noise pollution in the vicinity of airports.

Electric aviation can also significantly reduce emissions of carbon dioxide and other harmful substances into the atmosphere. This reduces the environmental impact of aviation and helps to preserve natural resources.

However, today, electric aviation is a relatively new technological solution that is not yet fully developed. One of the main challenges is the limited range of electric aircraft, as current batteries cannot provide enough energy for long flights. There is also the problem of charging batteries, which can take a significant amount of time.

Nevertheless, developers continue to work on solving these problems, and well-known airlines have already released the first electric aircraft used for short regional flights. Over time, electric aviation technologies will improve, allowing them to be used for longer flights.

All of the above factors, together with the variety of benefits of electric aviation, make it clear that this is the future of aviation and the answer to the environmental challenges of our time. electric aviation will become one of the most important innovations in the transport sector, reducing CO₂ emissions and ensuring safer and more efficient use of aircraft.

The development of electric aviation requires further support and investment from the government and the private sector. This will allow

developers to accelerate the development of new technologies and reduce the cost of producing electric aircraft. In addition, the government can help support the development of charging infrastructure for electric aircraft, which will help ensure that they are used to their full potential.

The need to develop electric aviation and reduce the environmental impact of aviation is a hot topic today. Increasing air traffic and the carbon dioxide emissions that accompany it have a negative impact on the climate and human health. Electric aviation can be an important step in combating these problems and provide a safer and more environmentally friendly way of travelling. I believe that in the future, electric aviation will become the standard to help ensure the sustainable and safe development of the aviation industry.