**ЗАДАНИЕ**

ПО ПЕРЕВОДУ ПРОФЕССИОНАЛЬНОГО ТЕКСТА

**1. Translate the text in written**

Modern technologies in aviation industry

Aviation is one of the most technologically advanced and innovative sectors in the world, which is connected with manufacturing different civil and military aircraft such as fighter jets, bombers, commercial airliners, helicopters and many other types of aircraft. From the moment new aircraft are thought of, engineers are working out how to make them more efficient.

Aircraft have a useful life of around 25-30 years, during which they will cover many millions of miles and carry millions of passengers or tones of cargo.

Unlike ground vehicles, which don’t need to be optimized to the same extent as aircraft because they can refuel often, long-distance aircraft must carry all their fuel onboard. Fuel is expensive, heavy and takes up a great deal of storage room. Its weight can limit the range of an aircraft and it needs to be stored in tanks, which affect the wing size and the payload carried. At the same time, aviation industry is doing all it can to limit its environmental impact.

Thus, new technologies make it possibleto decrease greenhouse gas emissions from aviation. The solutions implemented today promise other improvements, which will bring significant benefits in total. Moreover, engineers and researchers are working out incremental and frequent improvements for a number of new aircraft types, which will replace older, less fuel-efficient aircraft.

Being able to operate efficiently is highly necessaryfor the future of the aviation industry, not just for environmental reasons but also for financial ones, especially since fuel makes up to 30% of airline operating costs.

The aircraft industry is doing its best to achieve a kind of ‘impossible’ developments that characterize flight itself.

**2. Find and write the full answers to thefollowing questions in the text:**

1. What factor can limit the range of an aircraft?

2. What is the aviation industry connected with?

3. What makes it possible to decrease greenhouse gas emissions from aviation?