



# USE OF FLIGHT SIMULATOR IN FLIGHT INDUSTRY

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## 1. INTRODUCTION

Simulators are one of the most popular ways of learning. One of the most popular simulators are flying simulators that have enthralled people from all over the world. However, flight simulators are not used for entertainment solely; for many years, they have been used for professional educational purposes. In our research paper, we were researching how and for what purpose flight simulators can be used in the flight industry. Besides that, we were researching whether we could build our own flight simulator that is comparable with professional ones.

## 2. METHODS

When checking whether the simulator is compatible with a professional simulator, we compared the prices of a professional simulator with the cost of ours. We also invited an experienced pilot who had already tested a professional simulator to evaluate our simulator and tell us what was different and what was comparable with the professional one. We also used this information to improve our simulator later. We checked the marketing power of a flight simulator by comparing the development of different simulators and their popularity over the years with the number of pilots over those same years.

## 3. RESULTS

From all the results listed above, we can conclude that modifying the simulator is much more economically advantageous. In addition, the redesigned simulator is compatible with the purchased one in both, functions and simulation. The development of technology and consequently the development of simulation has strongly influenced the development and interest in the aviation industry, which as on the simulator as in real life, requires quite a bit of manoeuvring skills, but is also a great pleasure for the pilot to operate the simulation, which undoubtedly attracts future pilots.

## 4. CONCLUSION

The aviation industry is one of the fastest growing industries, offering many opportunities for innovation brought about by the development of technology. Along with development, pilots also need additional training, and simulators are a great way to educate them and for them to get used to innovations in the aviation industry. We believe that there is much to be done in the field of flight simulation in the future. With simulators, pilots can try to solve seemingly unsolvable situations without major consequences, and in the future this knowledge will be even more important, as it will provide even greater safety and confidence in flight industry.