



For a few decades, disabled accessibility to every structures and activities has been a major concern. Yet, they are still excluded from many fields, aeronautics is one of them. The association Start'Air Initiative has for project to allow autistic people, especially Aspergers, to feel the sensation of driving a plane. For some years, Polytech Grenoble students have been trying to develop a flight simulator suitable for Aspergers to answer this issue. Many technologies are involved within the simulator to suit the needs of Aspergers.

In order to transmit all the feel of a real flight and to study the behavior of an autistic in a situation similar to a flight while staying safe on the ground is essential to create a realistic simulator. The safe Start'air association has managed to recover a real airframe. The main goal of Start'air project is to transform it to a computerized simulator. At the end, we must have the impression of being in a real plane. To do it we have to make all the instruments of the airframe functional but also create a virtual environment around with screens. All must be fully managed by a flight simulation software: Flight Simulator X.

The Team

We are RICM student in Polytech, ODIEVRE Boris and CHAMBONET Simon and we chose to work on an inter-industry project. A plane simulator for autistic



Tu use the simulator, you just have to press the start buton inside and enjoy the feeling to be in the real plane. You can follow your position in the map on the tablet. During your flight, many information are collected by sensor in order to now your stress and physical conditions.



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