



## SIVOR – Flight Simulator in Robotic Platform

### Motivation

Design a reconfigurable flight simulator (Charlie Class) suitable to be used in flight tests. All pilot commands must control the robot movement with high flight fidelity, safety and reliability.

### Objective

Development of a flight simulator in a robotic platform which can provide a significant know-how to develop another simulators (more simple, but high reliable) for personal or educational use.

### Approach

The SIVOR is an entry-level project in the area of high fidelity flight simulator which can be used in several tests and entertainment applications by flight schools and small aircraft companies. The project will use a cockpit of the EMBRAER Phenom® 300 business aircraft, mounted as an end-effector of a heavy duty industrial robot (about 1,000 kg of payload).



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