Please don’t change any other files in the computer, it belongs to my friend and we can’t fix it if anything is changed.

We are mainly using 2 files:

CEG.py: to insert algorithms

CEG.launch: to change the initial position of the 2 UAVs

To start the computer:

1. press the power button and then keep pressing f12
2. enter (choose ubuntu)
3. enter (choose ubuntu)

Insert your algorithms in the CEG.py file

To open the CEG.py file:

1. open Terminal (Ctrl + alt + T)
   1. cd catkin\_ws/src/drone\_SUMO\_cosim/
   2. code CEG.py

To run the CEG.py file:

1. open Terminal (Ctrl + alt + T)
2. Terminal 1
   1. cd catkin\_ws/src/drone\_SUMO\_cosim/
   2. . set\_location.sh
   3. roslaunch offboard\_py CEG.launch(?)
3. Terminal 2
   1. ./QGroundControl.AppImage
4. Terminal 3
   1. cd catkin\_ws/src/drone\_SUMO\_cosim/
   2. python3 CEG.py
5. (before running the CEG.py file again, save the file and close the figure first)

To change the initial position of the 2 UAVs

Do not change any other lines in the CEG.launch file.

1. open Terminal (Ctrl + alt + T)
   1. cd catkin\_ws/src/offboard\_py/launch/
   2. code CEG.launch
   3. UAV0: line <35 - 40> = <x,y,z,raw,pitch,yaw> Do not change any other lines
   4. UAV1: line <66 - 71> = <x,y,z,raw,pitch,yaw> Do not change any other lines

Do not change any other lines in the CEG.launch file.