Quick start guide

1. **Read all safety-related documentation.**
2. Charge LiPo battery *(see Battery Documentation)*
3. Set up test bench *(see Test Bench Documentation & Test Safety Documentation)*
4. Turn on and calibrate Vicon *(see Vicon Documentation)*
5. Plug in battery to drone *(see Battery Documentation)*
6. *SSH into the drone RPI (see Raspberry Pi Documentation, section Controlling RPI remotely)*
7. Run the flight code *(see Code Documentation)*
   1. Navigate to the BridgemanDrone repository in the RPI
   2. Type *git pull* in the command line
   3. Type *sudo pigpiod* in the command line
   4. Type *python3 Main.py* in the command line to run the flight code. Follow the prompts. Press *ctrl+c* to stop the code.
8. Save and view the data *see Code Documentation & Raspberry Pi Documentation, section Using github from command line)*
   1. Type *git add .* then *git commit -m “[message describing the test]”* then *git push*
   2. On your own computer, *git pull*
   3. On your own computer, run PlotDroneData.m in Matlab to see the results of the test.
9. Shut everything down when you’re done
   1. Type sudo shutdown now
   2. Unplug battery from drone
   3. Switch Vicon off
   4. Remove table and test bench from flight room