

DEVELOPMENT OF A LIFE-SAVING DRONE



Bilal BEYOĞLU
Adem GÜRLER

Supervisor: Prof. Dr. Ergün ERÇELEBİ

Department of Electrical and Electronics Engineering, University of Gaziantep, Turkey.

Abstract:

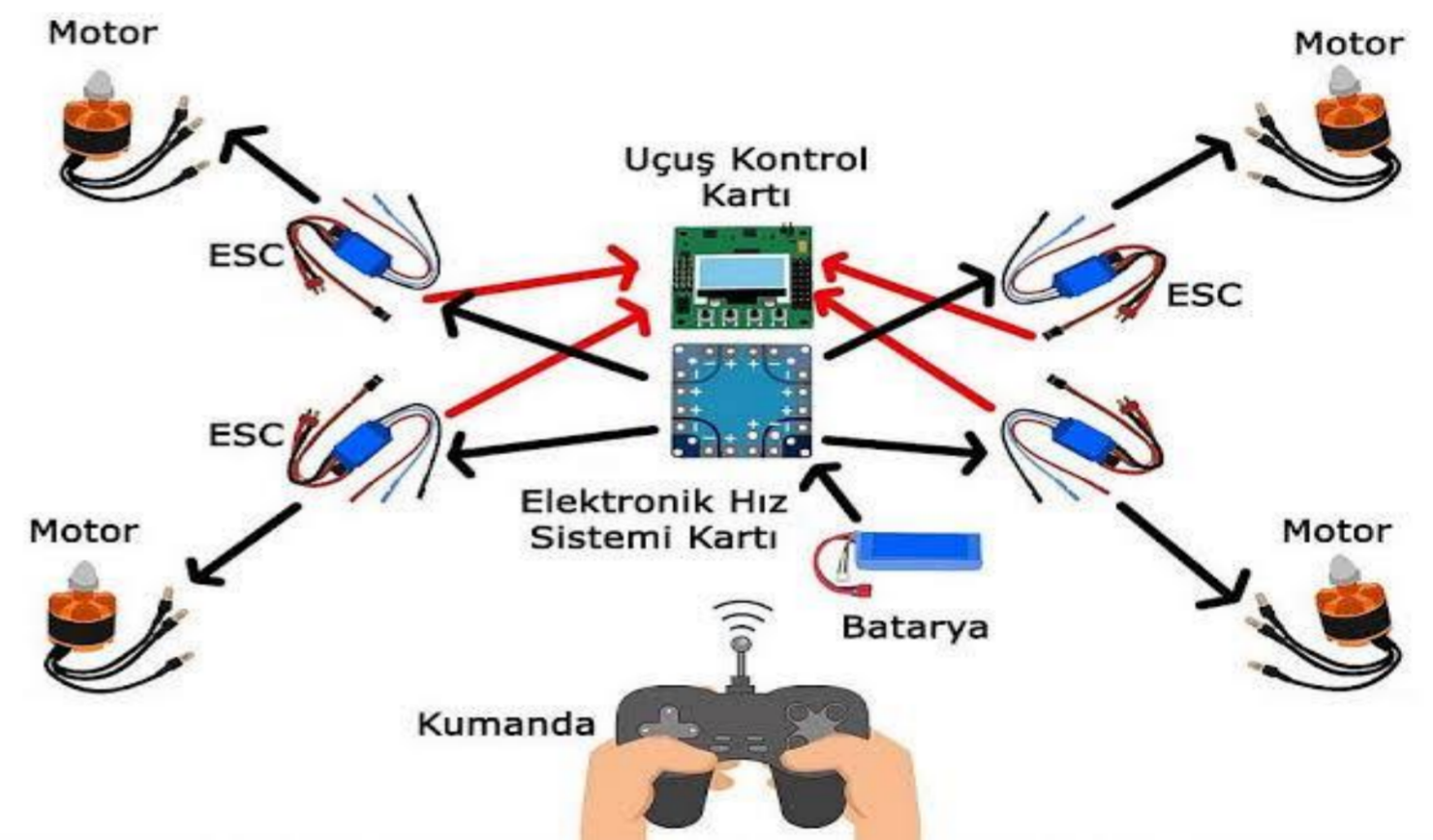
A Our aim in this project is to carry life jackets to people who are about to drown in the sea with the drone we will build.

For this purpose, we tried to reach the drowning person as close as possible with the drone we would make and deliver a life buoy or life-saving vest to him. We also needed an apparatus on the drone to carry a lifebuoy for this job.

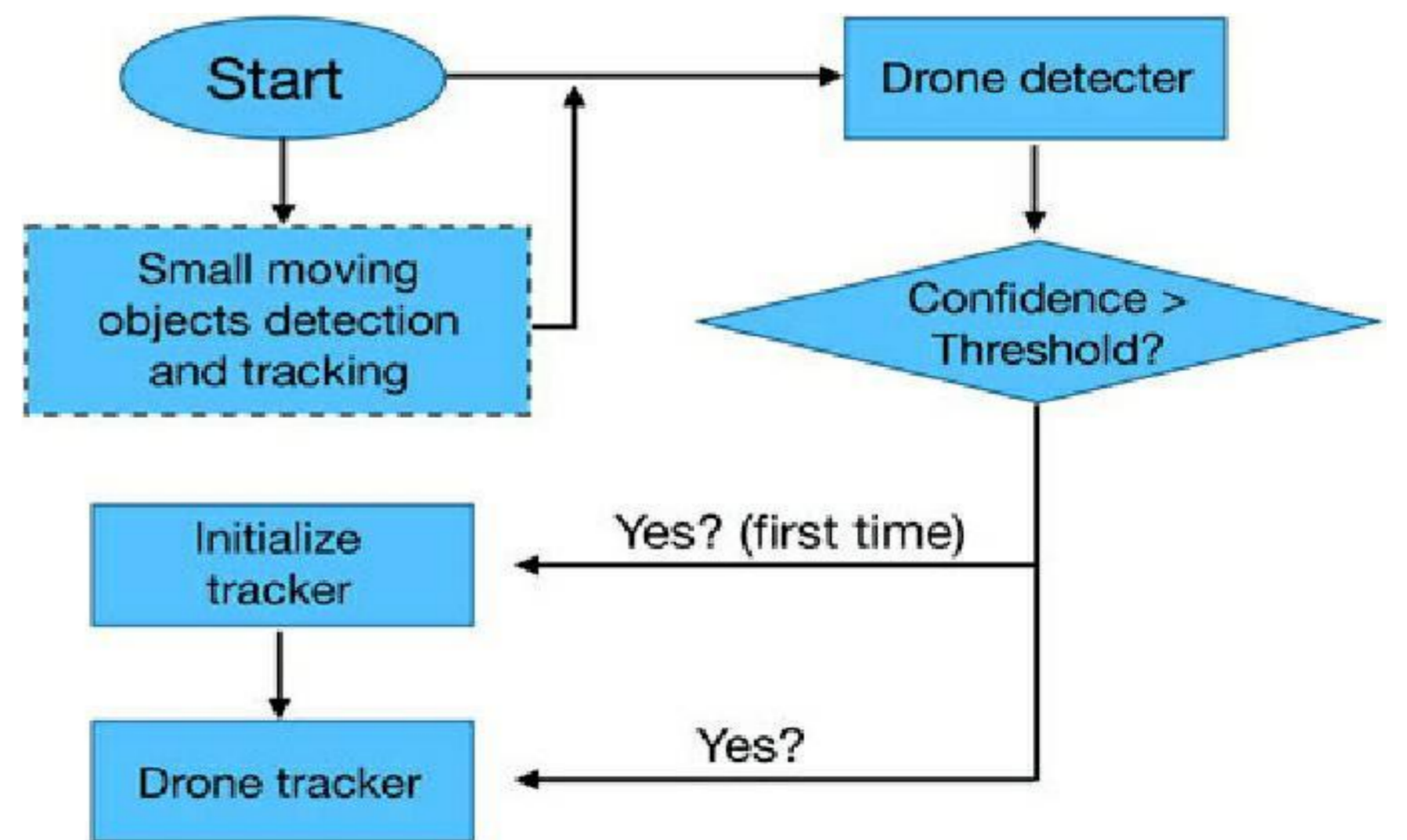
American Sign Language Alphabet



Main board and Glove



Signal Flow Chart



Main Components:

Brushless motor, ESC, Propellers, Arduino uno, Accelerometer and Gyro sensör, Li-Po battery, Flysky fsi6 Radio Controller

Conclusion

Our project is almost finished. The final touches remain. Thanks to this project, we learned how to make science useful to humanity. Technically, we always wanted to have a drone, but now we have a drone that will benefit humanity with our own hands.

References:

- <https://www.kentharita.com/>
- https://www.researchgate.net/figure/A-flow-chart-of-the-drone-monitoring-system_fig8_330390593
- https://www.youtube.com/watch?v=WGWsH_CD2D0&list=PPSV
- <https://www.skyview.com.tr/fpv>