



COCLES TEAM - YIGÜIRRO



OUR TEAM



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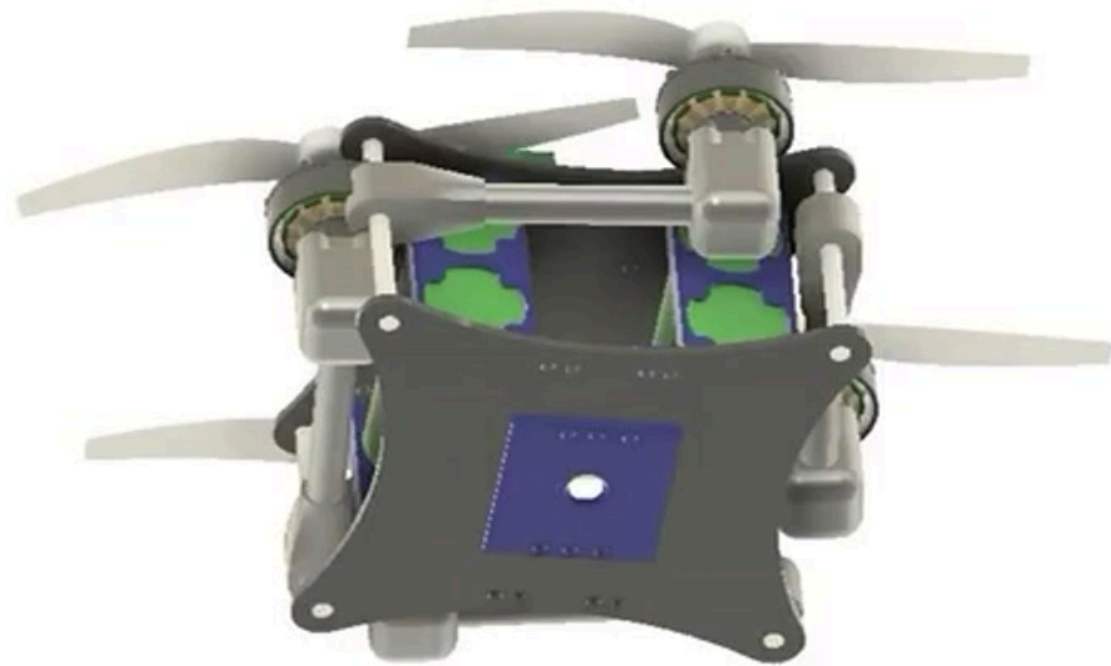
JORGE JOSÉ TORRES MEZA

OUR MISSION

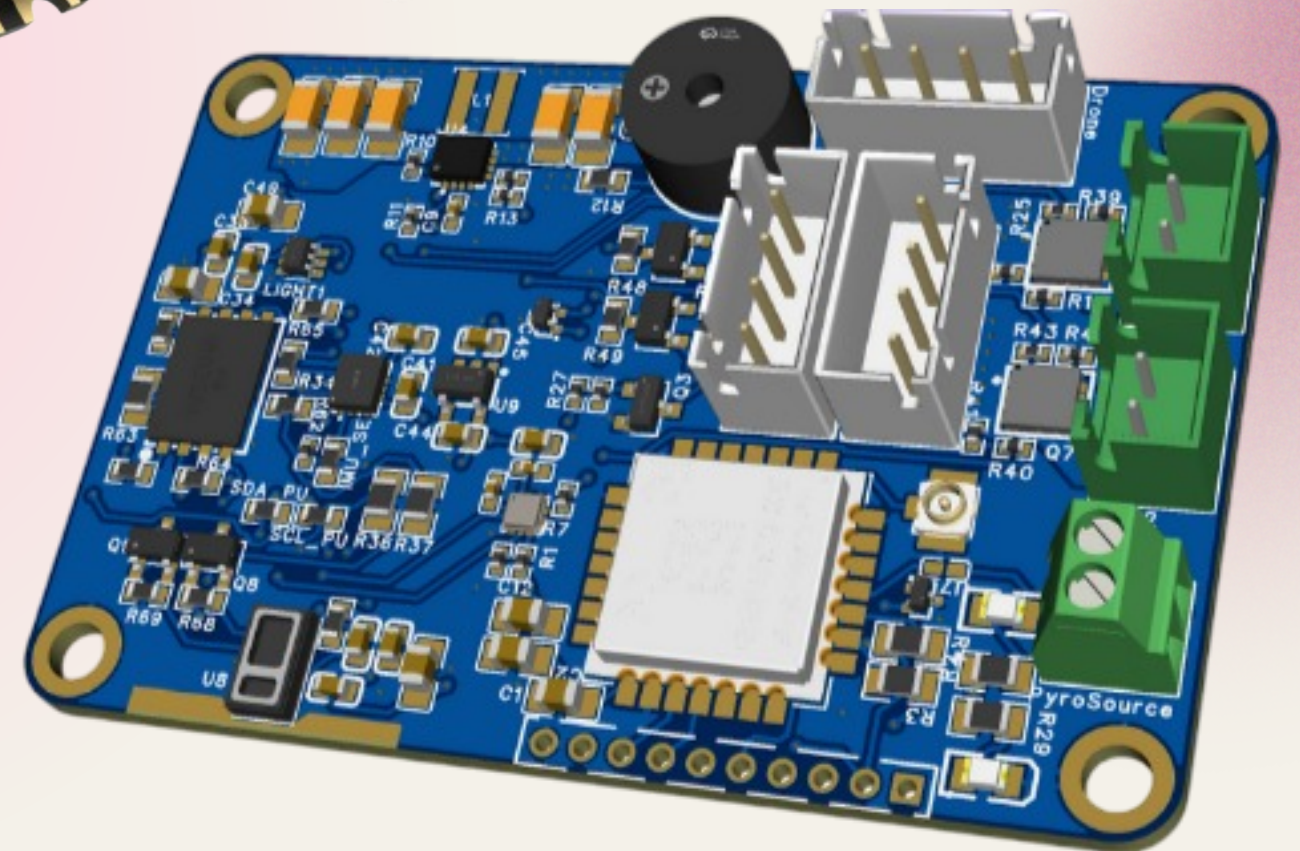
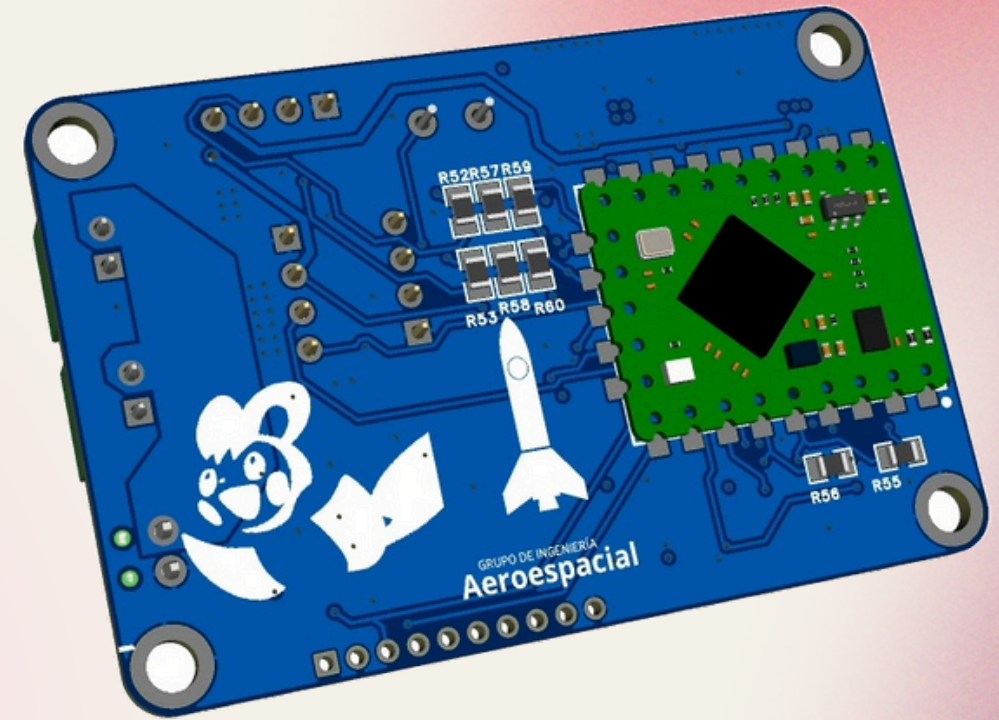
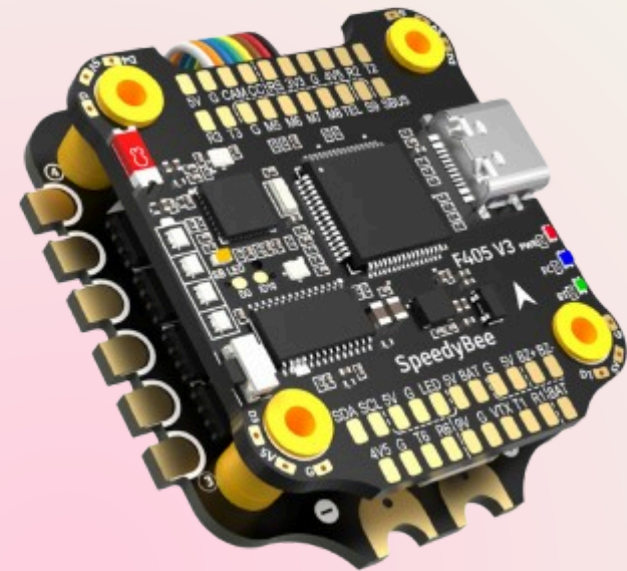
To develop a portable self-rescue device that records trajectory, transmits critical data, and, in emergency situations, facilitates the user's location, heart rate, blood oxygen and rescue in remote areas.



Design and Systems



CAD drone design



Mission Controller

Final Drone



PRELIMINARY TESTS

During preliminary testing some issues arose relating to:

- Chassis rigidity
- Part strength
- Motors overheating



PROBLEMS AND SOLUTIONS

- In the desert, the drone chassis cracked
- We repaired it using epoxy and fiberglass reinforcement.



RESULTS IN BLACK ROCK



LESSONS LEARNED

THANK YOU