sdmay19-43: UAV Assisted Energy Delivery
Week 2 Report
September 9 - September 15

Team Members

Kevin Angeliu — *Chief Engineer - Communications*
Garth Flaming — *Facilitator*
Alexandra Lowry — *Report Manager*
Kaitlyn Maass — *Meeting Scribe*
Brendan Rohlik — *Head of Timeline*
Connor Wehr — *Facilitator*

Summary of Progress this Report

Finalized drone choice (Intel Aero Ready To Fly Drone) based on experience flying each drone, as well as conversations with Drs. Geiger and Chen about what kind of experience previous teams had with different drones. Began inquiries into available budget and ordering parts, as well as what our personal costs will be. Began researching and comparing different libraries for coding drones. Began contacting previous teams to meet and ask questions about their experiences with different libraries, drones, timelines, and approaches towards the project.

Pending Issues

During range testing, the wind caught the drone and blew it into a tree, breaking the propellers, cracking part of the frame, and bending the legs. We have to order parts as soon as possible so that we can fly the drone again, but the motor and battery are still fine.

Plans for Upcoming Reporting Period

Meet with at least one member of the previous team to go over their experiences. Continue experimenting with and researching libraries to decide on which one we think will work the best. Finish figuring out how to order parts and get those parts ordered so that we can continue flying.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Angeliu	Finalized drone choice, range testing with drone. Inquired about ordering parts and coding libraries.	6	12
Garth Flaming	Flew drones, compared coding viability for drones and available libraries to arrive at a reasonable conclusion of preferable drone.	6	12
Alexandra Lowry	Flew drones in order to finalize decision on which drone to work with, conducted range testing, compared different libraries to use	6	12

	for coding of drones.		
Kaitlyn Maass	Spent time flying drones again, officially picked a drone type. sent out emails about budget and getting parts ordered and did more research.	6	12
Brendan Rohlik	Looked at the previous groups project. Sent out an email to Abdoullah (member of previous team). Went flying drones. Helped finalize drone selection.	6	12
Connor Wehr	Drone selection finalized, worked to finalize budget and have parts ordered.	6	12

Gitlab Activity Summary
Nothing to report.