

sdmay19-43: UAV Assisted Energy Delivery

Week 4 Report

September 29 - October 6

Team MembersKevin 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**

Built landing platform for drone. Met with Garrett Lies (member of last year's team) to talk about experience with Intel drone, using DroneKit versus Mavros for API, and overall experience. Continued learning Python on both hardware and software groups. Decided to use DroneKit API for the project.

Pending Issues

Still waiting on parts to fix drone.

Plans for Upcoming Reporting Period

Hopefully the parts will be in so we can fix the drone. Otherwise we will continue looking into tutorials and past group's Git for working with DroneKit.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Angeliu	Built landing platform, learned more python, researched battery packs and DroneKit integration into drone.	8	27
Garth Flaming	Worked with Python, decided on DroneKit, installed DroneKit, wrote drone to computer connection code in DroneKit.	7	25
Alexandra Lowry	Finished Python basics from Code Academy. Met with Garrett to talk about experience with project, specifically their choice of API. Also talked about a liting issue that may be sensor calibration or an issue with the battery. Decided on DroneKit as API.	6	24
Kaitlyn Maass	Helped build the platform - helped cut wood and screw it together. Looked and tested	8	26

	some PX4 - looked into the PX4 and how to run the different APIs on Windows or Linux. Downloaded some things and tested them. General meetings - met with advisors, and with group on Monday. Met with Garrett - talked with him about his past experiences focusing on the coding side. Decided on the API platform - group meeting and voted for DK.		
Brendan Rohlik	Helped build landing station: we cut wood, screwed it together. Got further into the Python Code Academy. Met with advisors and talked about our first milestone.	7	25
Connor Wehr	Finishing python basics from code academy, Research into limitations of Dronekit and Mavros, Met with Allie, Garth, Kaitlyn to finalize our choice to DroneKit	6	24

Gitlab Activity SummaryNothing to report.
