
sdmay19-43: UAV Assisted Energy Delivery

Week 15 Report

March 3 - March 9

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

Reimaged drone for a second time in an attempt to fix previous issues, discovered additional issues with USB port, which meant we could not use our USB-connected keyboard and mouse. Found work-around for this, finished reimaging, and began installation of Dronekit. Found a software helper to use C++ code within Python (Boost.python). Started working on blackboxing C++ precision landing code for use with Python. Began redesign of landing pad based on decisions about using QR code.

Pending Issues

Dronekit installation ran into some bugs, so still cannot run either our drone or the previous group's drone.

Plans for Upcoming Reporting Period

Finish resetting drone OS to get code running again. Finish blackboxing C++ code for use with Python. Find Linux machine to test example QR code.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Angeliu	Continued with writing landing tests and landing pad redesign.	5	110
Garth Flaming	Meetings, work on USB port disable on OS boot, finish reimage, find a fix for USB port, finish installation.	9	114
Alexandra Lowry	Finished reimaging drone. Discovered and found fix for USB port issues. Began installing Dronekit to drone. Attending group meetings.	9	112
Kaitlyn Maass	Meetings, getting caught up from being gone. Picked a software helper to use C++ code in Python code. Will use Boost.python. Black	9	99

	boxing the code for the cm landing.		
Brendan Rohlik	Worked on redesigning the landing pad, ordering magnetic cords.	6	107
Connor Wehr	Usual group meetings. Met with Kaitlyn & Jeff to work on the black boxing process for our landing code.	7	105

Gitlab Activity Summary

Nothing to report.
