

sdmay19-43: UAV Assisted Energy Delivery

Week 5 Report

October 7 - October 13

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**

Installed DroneKit on four of six members computers, so we have multiple places to work on drone code from. Began integrating Git repository onto personal computers so we can all work simultaneously. Got all replacement parts delivered and fixed drone. Began writing introductory code from DroneKit to connect to drone. Designed battery carriage shapes in inventor. Started looking into plugs for energy delivery.

Pending Issues

Have to finish getting Git repository correctly cloned on everyone's computer. Still have to install DroneKit on remaining team members' computers.

Plans for Upcoming Reporting Period

Finish interfacing drone on all software team members' computers, ensure everyone can connect and push code properly to drone. Either order or find cords to connect drone to monitors and computers. Get previous group's code off of drone and look through to see if there is anything we can use. Write basic code for getting code to take off and fly a short distant autonomously.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Angeliu	Repaired and tested drone, finalized payload battery pack, researched plugs, developed carriage shapes with Brendan, finished Python CodeAcademy.	8	35
Garth Flaming	Researched DroneKit and installed software. Set up group with PyCharm. Wrote code to connect to drone and print hello.	5	30
Alexandra Lowry	Installed DroneKit on personal computer. Started getting Git repository working on personal computer. Started looking into previous group's code. Started researching	7	31

	code for connecting to drone. Started looking into liting issue with drone based on conversations with Garrett Lies.		
Kaitlyn Maass	Worked on installing DroneKit and getting a Git repository set up. Looking for ways to interface with the drone by wireless and SSH or my physical connection. Attended both weekly meetings.	5	31
Brendan Rohlik	Worked on designing the carriage with Kevin, looked at some plugs, started designing basic shapes on Inventor, and repaired the drone.	8	33
Connor Wehr	Worked with other group members to finish installation of DroneKit, all replacement parts have arrived and delivered to Kevin, looked into interfacing between drone and laptop.	3	27

Gitlab Activity SummaryNothing to report.
