sdmay19-43: UAV Assisted Energy Delivery
Week 13 Report
February 17 - February 23

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

The previous SSH issue with the drone was apparently not fixed, so research began as to why the fix we thought we had was not permanent, as well as research into a more permanent solution. Discovered port issues with drone for running code that had previously worked. Started to translate C++ code into Python, then changed direction and began looking into blackboxing the C++ precision landing code. Started investigating use of QR code on landing pad. Found magnetic cord to use for energy transfer.

Pending Issues

Still cannot SSH into drone, and can no longer run previous group's code on drone because of a port issue. C++ code has to be blackboxed.

Plans for Upcoming Reporting Period

Try to permanently fix SSH issue. Fix port issue so that we can run code again. Figure out how to blackbox code from C++ to use with Python. Start looking into QR design and Python code.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Angeliu	Finalized test plans, investigated QR code implementation for landing pad. Started writing tests for precision landing.	6	95
Garth Flaming	Meetings, debug ssh issue, troubleshoot port issue	7	91
Alexandra Lowry	Worked on determining reason fo/r SSH issue and port issue. Tried fixing those problems, but hit roadblock. Discussed meeting with a professor for outside help. Attended regular group meetings.	7	89

Kaitlyn Maass	Looking into creating a C++ black box call in Python. Attended meetings.	4	86
Brendan Rohlik	Discussed new landing pad design with Kevin and looked into a little bit of QR code.	5	89
Connor Wehr	Initially began formatting obtained code for our program from C++ to Python, then switched to researching black boxing the process.	6	88

Gitlab Activity Summary

Nothing to report.