**WEEKLY PROGRESS REPORT**

**Sightline Capstone Project**

**Week 4**

**2 February 2019**

**Tai:**

**This week:**

* Calibrated and updated Pixhawk 4.
* Tested Pixhawk 4 with its accessories which are GPS, Telemetry sensors, Radio control and receiver.
* Meeting with Jeremy and Andrew.

**Next week:**

* Try to test Pixhawk 4 with SLA hardware.
* Stream the video from SLA hardware on Qgroundcontrol
* Possible to do fly test with quadcopter if all necessary parts arrived.

**Question:**

**How to connect Pixhawk 4 with SLA hardware?**

**Does Pixhawk 4 need to provide Ethernet for SLA hardware which is needed to stream video from SLA hardware to Qgroundcontrol?**

**Kimball:**

**This Week:**

* Updated BOM to include needed XT-60 battery connectors and propeller guards for the quadcopter
* Custom made cables for ESC signal connection to power management board
* Attached power management board and battery to F450 frame
* Continued research on required I/O, and device footprints needed in Eagle

**Next Week:**

* Finish designing devices, symbols, and footprints needed for Eagle schematic
* Begin schematic
* Solder new battery and PMB connections for quadcopter
* Attach Pixhawk 4, telemetry, GPS, and Sightline equipment to quadcopter and prepare for test flight

**Questions:**

None at this time.

**Adel:**

**This Week:**

**Next Week:**

**Questions:**