

EE/CprE/SE 492 STATUS REPORT 01

Jan 30th 2025

Group number: 25-34

Project title: Laser Scan Readings for Propeller Measurement

Client &/Advisor: Linden Propeller (Gary Linden) / Dr. Mani Mina

Team Members/Role

Name:	Role:
Alan Whitehead	Testing
Elias Colsch	Client interaction
Denny Dang	Individual Component Design

Past Week Accomplishments

Name	Past Contributions
Alan Whitehead	I was on Winter break.
Elias Colsch	I was on Winter break.
Denny Dang	I was on Winter break.

Weekly Summary:

This week, we met with our client, Gary Linden. We discussed our updated scope and made sure that our goals aligned. We also discussed some solutions to our project, and we found Mr. Linden to be much more open to different ideas.

Name	Individual Contributions	Hours this week	HOURS Cumulative
Alan Whitehead	I continued working on our data fusion algorithm. However, with the research and	5	5

	development that we've seen, we don't think this will be able to produce the kind of results we need. New ideas and concepts are being looked at such as KEYENCE.		
Elias Colsch	Set up meetings with Gary Linden and Mani Mina. Attended meetings and took notes. Researched Mr. Linden's current setup to determine if we have a connection for our device.	5	5
Denny Dang	Helped research the current setup to devise a design for setting up the KEYENCE laser.	5	5

Plans for the upcoming week

Name	Future Contributions
Alan Whitehead	Will continue to work on the data fusion concepts along with looking at new algorithms and sensors to see if accuracy can be improved.
Elias Colsch	Will continue to set up meetings with Gary and Mani. Will also check to make sure all connections from our solution can be connected to the current setup.
Denny Dang	Will set up a meeting with Kyle from KEYENCE to advance into setting up a sale. Will produce designs on installing the KEYENCE laser to our client's current setup. Will also draft wiring schematics.