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Progress week 7 and 8.

Got all parts to the wago plc (except a 5V module). Also tested equipment on the platform to see if the plc can control them. Started some programming.

Communication between raspberry pi and plc is working. Using Modbus TCP.

Raspberry pi GPS and videostream up and running. With very good result.

Started on designing GUI. Using JavaFx to design the GUI.

Winch: 3D-printed all parts, but one of the parts is hard to print. Working on that to find a solution.

Made complete list of parts needed.

Future progress week 9 and 10

Raspberry pi on platform: Assemble IMU, GPS and Camerastream into one program.

Raspberry pi ROV: Replace with new Raspberry pi and test the new code.

Platform PLC: Program and map all variables. Map all Modbus TCP variables. Setup stepper motor control. Start on Stabilization code.

Finish electrical drawings.

Order all needed parts to the project early week 9.

GUI: First draft on front end design. After that start at backend design, and setup communication.

When parts received start mounting new parts and connect all.