

sdmay18-40: Drone-Assisted Energy Delivery

Week 7 Report

October 22 - October 29

Team MembersAhmed Al-Hulayel — *designing landing station for the drone*Abdullah Al-Obaidi — *designing landing station*Drew Underwood — *Preliminary drone flights. Simulated scenarios for initial flights and got a feel for how the drone can function. We also didn't crash it, which was good.*Khalifa Aldhaheeri — *Getting the virtual machine, flew the drone, studied for the drone license*Garrett Lies — *Worked on setting up the drone for software development***Summary of Progress this Report**

We flew the drone, ordered virtual machine for drone programming, ordered a prototype for drone landing station

Pending Issues

Wirelessly connecting to drone, need to get drone connected to ISU network, test the drone landing station

Plans for Upcoming Reporting Period

Connect drone to ISU network, start programming drone, test and update the landing station

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Ahmed Al-Hulayel	We, Abdullah and I, obtained our previous design from ETG, tested it, and I ordered a new one, we are waiting to receive it on next Monday	6	34.5
Abdullah Al-Obaidi	We, ahmed and I, obtained our previous design from ETG, tested it, and I ordered a new one, we are waiting to receive it on next Monday	8	37
Drew Underwood	I have been focusing on hooking up our drone so that we may begin interfacing with it and understand how to control it with inline commands as opposed to the controller.	5	35
Khalifa Aldhaheeri	I have practiced flying the drone and knowing all the buttons on how to fly and land the drone safely. We needed a virtual machine to download the coding program for the drone	6	35

