

Advisors: Mani Mina, John Pritchard **Client:** Minnetronix

Members (roles): Brandon McDonnell (Group Lead); Justin Long (Web Master), Timothy Dee (Key Concepts)

Project: Remotely Connected Electric Field Generator for Particle Separation in a Fluid

Weekly Summary

Spent a lot of time with the circuit simulation software and trying to get custom parts for our components. Still some work to be done in the simulation to get more thorough testing of the amplifier circuit. We met with Adam to discuss our circuit design and get more information on the desired precision of the end product. We continued testing our circuit components now that we have the new PGA's in with the correct gain. If our amplifier circuit is working as desired we should be able to soon move into the PCB production of our circuit.

Weekly Notes

Had meeting with Adam and discussed desired precision of voltage levels and other related specs.

Pending Issues

Getting exact gains needed to get the desired output voltages from our amplifier circuit.

Plans For Next Week

Finish simulation of the circuit and get plan in place for PCB.

More testing of the amplifier circuit.

Individual Contributions

Total Contributions

Brandon McDonnell	6hrs	66hrs
Tim Dee	6hrs	69hrs
Justin Long	12hrs	59hrs