

**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

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## Weekly Summary

This week we were able to get a working version of the amplifier circuit, so we have everything working but have run into a new problem. When the lab function generator is used as the input to the circuit, everything works as expected, but when using the Sparkfun Minigen function generator, we get some unexplained erratic behavior. Once we figure out what is causing this weird behavior we will have the circuit design finished and will be able to move onto the final design phase of the project.

## Pending Issues

Figuring out what is causing the weird behavior of the Minigen function generator

Also figure out what we need for a transformer to go from wall power to 60V for our system.

## Plans For Next Week

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

Finish troubleshooting Minigen issues

## Individual Contributions

## Total Contributions

Brandon McDonnell	3hrs	81hrs
Tim Dee	10hrs	97hrs
Justin Long	2hrs	74hrs