

Week 23 Report 3/6/20

Group Members: David Jones, Brennan Kandalauft, Luis Ruiz

Client: Keith Hengen

Project Status: This week we focused on production of the PCB with Bryan Broussard, our consultant. We are making good progress and should have the boards in production over spring break. Additionally, we have started looking towards the application of this new technology by reviewing new methods of soldering the fibers to the board. While this should have been done earlier, we were confident the new board would remove any need for specialized soldering techniques. After conversing with Dr. Hengen, we are looking into viable and efficient methods of soldering the fibers to the new board. This search will require in-lab testing of multiple materials and epoxies. Additionally, we have decided to move forward with our PVA coating concept. We ordered a 3% PVA solution and will purchase an air brushing kit to pseudo-vaporize the solution onto the fibers.