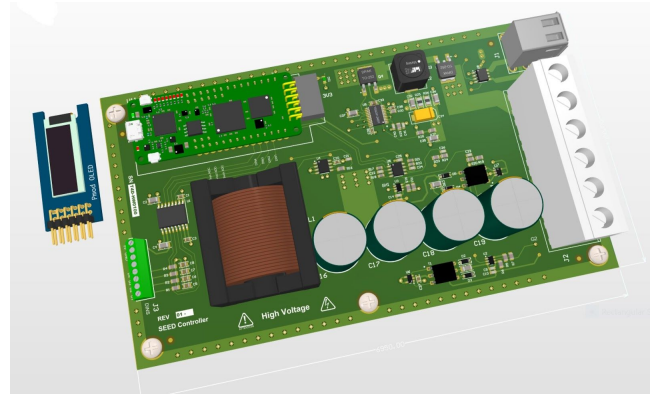


Solar SEED

Technical Assistance Request 2.0

The engineering of the First Prototype is close to completion. A small run of PCBs will be produced and assembled to begin in-house testing and verification in early June. Throughout the design process we paid close attention to maintaining an effective balance between manufacturing costs, performance, and durability. We will continue to do market research while



revising and improving the design and functionality of the device, and exploring ideas for new accessories. Field testing is a big part of product development, so we have commitments for pilot projects with a few non-profits, CBOs, and NGOs working



internationally and domestically. T4D Lab will perform most of the styling and enclosure design being mindful of form factors and ergonomics to produce an intuitive, easy-to-use product for a variety of end-users. Our recent acceptance into the NY Designs Incubator (Connector), has provided us studio space, a Fab Lab with rapid prototyping, conference rooms, mentorship, investment,

marketing, and interns. Additionally, we still have access to the NYU Tandon School of Engineering Fab Lab facilities, and students.

Testing and Validation facilities are being engaged now that the first prototype is almost completed. We have contacted Brookhaven Laboratory, NREL, and Direct Gain Consulting regarding UL, ETL, CE, and other product certifications, applicable standards and codes, and the process. Once we have tested our circuit and are happy with the performance and functionality, Brookhaven Labs has offered to conduct preliminary testing. The UL facility in Long Island, NY often utilizes Brookhaven to conduct various tests. The visit to Greentown Labs for the Practice Pitch also provided the opportunity to meet Jared Craft, CEO & General Counsel of the charge controller manufacturer Blue Sky Energy, so we will follow up to learn more about the thorough

certification process they used for their solar products. We are also in contact with Lawrence Livermore National Laboratory regarding environmental testing.

Marketing and Business Development will be an ongoing process which is something the team has the least amount of experience with, so we have been aggressively securing Advisory & Industry, as well as Development Partners. A group of Columbia University students have been assisting with producing the beginnings of a business plan as a semester long project. The Advisory & Industry Partners provide assistance with design, engineering, marketing, manufacturing, investment, legal, and business development to ensure any gaps are filled. Ideally, many of these individuals will become Advisory Board members. There are a few American-Made Network members involved in Marketing and Business Development that we have been in touch with including Direct Gain Consulting, and Elemental Excelsior. We are also considering attending a Powerhouse hackathon, as many of their resident ventures are involved with technology for energy access. We maintain a desire to secure partnerships with organizations and firms that understand our goals in developing this device for not only the consumer market, but also, and with equal importance, for humanitarian purposes. This is exemplified in our Development Partners who will assist with field testing, research, and product evaluation. We are beginning to narrow down our initial focal area(s) without abandoning our mission to serve emerging markets, developed markets, emergency response workers, and meeting the needs of displaced individuals in IDP or refugee camps.