Technical Assistance

In developing Version 2.0, we're looking to widen the parameters, resiliency, and adaptability of our inverter, broadening the scope of applications because we see the opportunity to grow into many different markets in the future. One such market is self-charging, robotic mowers, where we've already had significant interest from municipalities and golf courses. To optimize this opportunity, we would seek technical assistance for outside communication with our inverter, to integrate wifi, bluetooth, or cell service. This feature would allow remote maintenance and monitoring, as well as GPS tracking to prevent theft of the inverter and inverter enclosure, such as a cargo trailer. More significantly, adding this element creates recurring revenue via subscription service. We also need technical assistance with developing the app for customers to access the tracking, maintenance, and monitoring. This application has huge potential for us given that the customer ROI is significant, especially since human mowers are increasingly harder to find at the current wage scale.

Assistance in finding engineers (EETs) to hire would be very valuable, as it has proven challenging while working on Version 1.0. A qualified engineer will allow us to bring more of the early prototype testing and actual manufacturing process in-house, shortening time-to-market and reducing production costs. A short-term goal is to reduce our COGS by up to 25%, to insulate us from overseas knock-offs. Also, a lower cost version 2.0 inverter plus an integrated ATS will position us perfectly to attack the entry level RV market according to Jason Eiseman of Wellspring Solar in Indiana, who does OEM solar add-ons for several Indiana RV manufacturers.

We've also had interest from the Burien Solar Punk Festival and their urban gardens and events, the USDA for their High Tunnel Initiative, Convoy of Hope for their disaster relief work, Bob Kopach with The Eco-Friendly Mobile Farm Stand Project, Cooler Management reefer trucks, and agricultural applications, like barn/outbuilding power, cattle water tanks, irrigation, and greenhouse fans. Partnering with companies and organizations to improve agtech is at the heart, and roots, of our company. Our Vroom 3000 inverter was inspired by CEO Luke Phelps installing agricultural solar and observing the missed opportunity to access all the solar energy around his crews. Thus, the idea to simplify solar into one convenient inverter was born.

Lastly, a long-term goal for Vroom Solar is to completely manufacture our inverters domestically, since today our product requires electronics components that are not currently made in America. We'd like to change that. Any partners that can help us navigate domestic sourcing and manufacturing would be a much appreciated addition to our network.