

Explanation

Technical assistance requests include

1. Completing a physical proof of concept of our non-grid-tied, solar, DC fast charge unit for EV- for operation test and evaluation
2. Creating a roadmap to establish an initial production base that allows for the production of a limited quantity of units (at least our first 5 systems), followed by an orderly increase in the production rate upon completion of operational and market testing.

For these objectives, we are looking for advisors/partners who can assist:

- validating product market fit
- validating that we can compete with a state-of-the-art US based manufacturing facility (can ours be off grid? Can we use our own solar tech to power facility?)
- determining solar panel tech and potential for additional harvest (currently working with Sandia National Labs and C4 capstone project) and validate that traditional bifacial approach is adequate
- prove / quantify our claim of energy harvest being highest per unit area of any solar tracking system on the market
- developing go-to-market plan for deployment of systems as we transition from LRIP of highly customized, hand-built prototypes to the final mass-produced end product.

Key Needs

Testing and Validation (5 / 5): Our solution is fully fleshed out with SPICE simulations and CAD. Assistance with further component testing and eventual UL certification is needed.

Product Development (5 / 5): The physical proof of concept is partially built. Seeking to finish MVP components such as tracking software/firmware, panel system improvements, and custom housing fabrication.

Manufacturing (5 / 5): Goal to move from highly custom prototype to initial batch of units to be deployed (LRIP). Need help transitioning from early-stage planning to legitimate roadmap for scaling.

Business Development & Commercialization (5 / 5): We are looking for additional talent with extensive knowledge of the current landscape of EV grid optimization and non-grid tie solar niche as it pertains to market development. This includes all aspects of product development including vision, strategy, road mapping, design and execution. Operational buildout and sales/service team building.

Funding & Investments (5 / 5): Seeking additional guidance in both non-dilutive funding opportunities like SBIR and other technically or R&D focused grants. Additional partners eventually needed with background in private equity and family offices for investment capital, networking/dealmaking.