Technical Assistance Request

Seeking Collaborative Partnerships to
Accelerate the Future of Clean Energy

Solar Energy on the Road's Vision

Solar Energy on the Road (SER) is on a mission to revolutionize clean energy access and resilience in Puerto Rico and US. Our innovative Mobile Solar System holds immense potential to address critical energy challenges and improve lives. To realize this vision, we are actively seeking collaborative partnerships and expert support from the American-Made Network, DOE's national laboratories, private facilities, and other entities to overcome key barriers.

Technical Assistance 1: Design Optimization and Peer Review
Requesting Support from DOE's National Laboratories

Our first barrier centers around achieving the highest standards of design optimization and reliability. We are in need of Subject Matter Experts (SMEs) in Civil, Mechanical and Electrical Engineering Design to ensure that our Mobile Solar System is not only efficient but also robust and resilient, particularly in Puerto Rico's challenging weather conditions. Peer review support from experts in these fields is crucial to validate our design and ensure it meets or exceeds industry standards. By collaborating with DOE's national laboratories, we aim to tap into their research facilities and experts who can provide invaluable technical insights, review our designs, and suggest optimizations.

Technical Assistance 2: Partnerships with Government Entities for Disaster Recovery
Seeking Collaborative Partnerships with Federal Institutions

Disaster recovery and resilience are primary concerns for Puerto Rico and many other regions. We believe our Mobile Solar System can play a pivotal role in disaster response and recovery efforts. To do so, we require partnerships with other Federal Institutions involved in disaster recovery assistance. By establishing these collaborations, we can explore opportunities to deploy our mobile solar product during emergencies and assist in providing critical energy resources to affected communities. The American-Made Network can facilitate these connections and help us navigate potential utilization of our innovative solution for disaster recovery.

Technical Assistance 3: Access to Capital and Investment Opportunities
Engaging with Private-Sector Stakeholders

Funding and investment are crucial for scaling our Mobile Solar System and bringing it to market. We are actively seeking support from private-sector stakeholders who are already assisting entrepreneurs with innovative concepts. Specifically, we need to connect with investors who share our vision and are interested in financially backing our project. Additionally, we are exploring opportunities to engage with philanthropists who are passionate about clean energy and willing to provide philanthropic assistance. The American-Made Network can serve as a bridge to connect us with these potential investors and philanthropic partners who can help us secure the necessary capital for development and production.

Technical Assistance 4: Manufacturing Capacity and Partnerships
Creating Partnerships with Fabrication Facilities and Industry Leaders

As we anticipate increased demand for our Mobile Solar System, we recognize the need to expand our manufacturing capacity while optimizing costs. We are actively seeking partnerships with potential fabrication facilities to ensure we can meet future production volume forecasts efficiently. Moreover, we aim to collaborate with seasoned industry leaders, particularly Electrical Equipment Manufacturers (e.g., Inverters, Batteries), who can provide technical insight and potentially sponsor our project. These collaborations will be essential to ensure a seamless transition from prototype to commercial production and widespread adoption of our system.

Technical Assistance 5: Product Validation and Marketing Strategy
Requesting Business Development Expertise

Finally, to effectively bring our Mobile Solar System to market and maximize its impact, we require support in developing a robust product marketing strategy. This includes validating our product in real-world scenarios and crafting a compelling narrative that resonates with potential customers. We seek assistance from marketing experts who can guide us in this critical phase of our project.

Conclusion

SER's vision for a cleaner, more resilient energy future is attainable with the support of collaborative partners and resources offered by the American-Made Network, DOE's national laboratories, private facilities, and other experts. Together, we can overcome these barriers and accelerate the adoption of our innovative Mobile Solar System, transforming energy access and resilience for communities in need.