



July 15, 2019

American-Made Solar Prize
US Department of Energy
1000 Independence Ave., SW
Washington, DC 20585

Request For Technical Assistance

Dear American Made Solar Prize Reviewer,

The Techno Chaos team would like to request technical assistance from the US Department of Energy and network of the American Made Solar Prize to strengthen development of our innovation from idea to prototype. The connection of our state decision-makers, subject matter experts, national laboratories and federal government staff will be an essential component of our team's success. Specifically, technical assistance is being sought in connection with our Low-Power End-Product Solar Kit submission. To further facilitate an understanding of our needs we have included a list of resources and access that could assist the project on page two.

The technical assistance being requested will support the design, prototype and small batch manufacturing for a solar power kit. Key components of the kit will include a battery, solar capture, charging regulator,

We will be engaging three or more makerspaces in our proof-of-concept to start the knowledge transfer and support within various communities across Colorado. This will also allow for multiple ideas to be shared and explored for our proof-of-concept. We would like to build up the expertise and role that makerspaces play in helping innovations going-to-market with a physical product. We will leverage our membership with the Colorado Maker Hub to identify the makerspace that could be available in our efforts, but would like advice on community skill sets we are looking for to leverage during our project.

We look forward to hearing from you and working with the American Made Solar Prize network to strengthen our concept and create a viable product.

Sincerely yours,
Jeanette Breton & Michael Hinkle

The program will assist teams by connecting them to resources. Please identify all of the resources that can help the team move forward, then include these as page two of letter.

<p>Access to fabrication facilities (Makerspace)</p> <p>Software Development Assistance Embedded systems programming Web service development Mobile App Development Desktop application development</p> <p>Access to private business area Shared Desk Dedicated desk in co-working area Private office</p> <p>Business advice and coaching Marketing Budgeting Strategic planning Research other (elaborate)</p> <p>Training for team (Elaborate)</p> <p>Training for policy and decision makers</p> <p>Data collection and assessment activities</p> <p>Identify relevant new technologies</p> <p>Market strategies.</p> <p>Technical analysis (Elaborate)</p> <p>Business services (elaborate)</p>	<p>Fabrication advice and coaching 3d printing Casting and mold making Plastics, general Electronics fabrication Digital Fabrication (Laser, waterjet) Metal working Cad / Modeling Running Simulations Designing for manufacture Other (elaborate)</p> <p>Connection to funders or backers</p> <p>Design consultation - work with a professional prototyper to refine your design</p> <p>Fabrication services - outsourcing the specific parts of prototype production.</p> <p>Connection technical expertise in a specific area (please specify)</p> <p>Introduction to local and regional leaders</p> <p>Convenings of public officials</p> <p>Introduction to industry leaders</p> <p>Advice on best practices</p> <p>Consulting services (elaborate)</p>
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Details on Checked Items:

- Training for team & Technical expertise: Solar panel / battery creation and batch manufacturing considerations, if needed to be included in kit.
- Technical analysis: Assistance with analyzing tolerances and testing parameters for the kit.