

## Technical Assistance Request

### Potential American Made Network partners:

**ExPonent** – general growth and expansion assistance tailored to the renewable energy industry as well as a coast-to-coast presence.

Kimley Horn – Has experience with infrastructure projects, specifically roadways.

**Alder & Co** – a women-owned-and-led marketing agency with an attractive and user-friendly website.

National Renewable Energy Laboratory, Pacific Northwest National Laboratory, and/or Idaho National Laboratory – working on energy storage solutions and clean energy integration.

**Trumpf Inc.** – LASERs, specifically the TruDiode.

Center for energy research (Las Vegas, NV) – for continuing further personal education.

NAVIA Energy Inc. – AI software developer, could help with automating the LASER energy distribution network or incorporating solar trackers for the mirror array.

### Possible non-network partners:

Boise State University – They have already helped so much I would like to believe a continued relationship will be beneficial.

College of Southern Idaho – Eli and the REST program was a great help.

Christensen Global (Sun Valley) – Sun Valley 2023 Forum was an awesome networking event in conjunction with the NSF I-Corps sustainability cohort.

Hempitecture (Twin Falls) – using hempcrete as the foundation for natural CO2 sequestration throughout lifetime of the structure, for up to 100 years.

Areas I need assistance with to finish the next stage of the development and get to the final working model:

#### PLC programming

To manage the thermal energy contained in the central chamber; prevent freezing and boiling. Can be programmed to auto adjust the mirror array with solar trackers or programmed to control the flow of heated fluid to store as hot water or used to heat the home.

#### Electrical engineering/circuit design

To fully unlock the Sol Wells' potential for remote power generation and distribution I need to design and build a high-powered LASER diode that can be directly coupled to a solar panel, bypassing the need for storage and physical conductors to transmit the energy.

#### Web/app development

Once the LASER transmission system is functional there will need to be a way to sync the individual emitters/receivers and direct the energy from sun rich areas to areas in need of extra power.

#### Business management

I am more the "man behind the curtain" type and would like to avoid the speed bump of needing to go back to school to learn the ins and outs of running and growing a business.

#### Marketing and advertising

I don't know much of anything about social media or online marketing, but I do know that in today's day and age without an online presence your business will be fighting an uphill battle.

Social media influencers in the climate change/renewable energy space:

- Kbacon.irl
- Cleo Abram
- Alaina Wood
- Hazel Thayer
- The Solar Punk Farmer
- Sam Bentley
- Climate Kat
- StyroPro (more into LASERs than climate change stuff)