Arif Rahman's challenge details for challenge:

Solar Prize Round 6

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Explanation

We are developing a small-scale, low-cost, off-grid, deployable CSP solar thermal desalination system that uses a parabolic trough to harvest solar energy and MEDAD (Multiple Effect Distillation Absorption Desalination). We need help with the business development. Also, we need help to integrate adsorption desalination (AD) for boiling point elevation and vapor pressure lowering into the MED system. Specifically, prototyping / designing the silica gel sub-system as a stand-alone module to integrate with the MED system.

Key Needs

- Product Development (5 / 5): *No explanation*
- Fabrication & Prototyping (5 / 5): *No explanation*
- Hardware Development (5 / 5): *No explanation*
- Legal, Insurance, and Public Policy (5 / 5): *No explanation*
- Business Development & Commercialization (5 / 5): We need help to identify potential customers and commercialization partners.
- Product Design (4 / 5): We have designed the 90% of the system except for the silica gel module. We need some consultancy to design the sub-system as a stand-alone module that can be retrofitted in the current design.
- Manufacturing (3 / 5): Although we have identified manufacturing partners, we need help and consultancy from experienced manufacturers to set up a robust supply chain.

Matches

1. University of North Dakota Energy and Environmental Research Center (EERC): 85.60%
2. Positive Deviancy: 85.56%
3. Circuit Launch: 84.42%
4. Solar Inventions: 84.35%
5. GoSun: 84.35%
6. EST Venturi Systems LLC: 84.34%
7. Vertex 3D Design: 83.23%
8. Weldlogic Inc.: 83.22%
9. New Mexico Clean Energy Resilience and Growth: 82.07%
10. mHUB: 82.03%