

Dick P Welch's challenge details for challenge:

Solar Prize Round 6

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Explanation

Photoluminescence imaging equipment
Calibration Standards for solar cells
Environmental chambers
Electroluminescence test equipment
Electron lifetime photoconductance decay measurement equipment
High-throughput coaters
High purity lead II iodide
Silver paste
Aluminum paste
Screen printing facilities and materials
Equipment for detecting hot spots on solar cells
Access to scanning electron microscope

Key Needs

- Fabrication & Prototyping (5 / 5): Need to iterate the design to optimize it
- Testing and Validation (5 / 5): Need access to specialized test equipment to characterize performance
- Funding & Investments (5 / 5): Need funding to continue to develop product toward commercialization
- Hardware Development (5 / 5): Need access to test equipment to optimize design
- Marketing & Promotion (4 / 5): Need help with fundraising, which relies on marketing and promotion

Matches

1. [GoSun](#): 85.94%
2. [Positive Deviancy](#): 85.94%
3. [Circuit Launch](#): 85.94%
4. [mHUB](#): 84.38%
5. [BlochSoft Technologies Inc](#): 84.38%
6. [FREEDM Systems Center at NC State](#): 84.38%
7. [Solar Inventions](#): 82.81%
8. [Zpryme](#): 82.81%
9. [Center for Future Energy Systems \(CFES\) at Rensselaer](#): 82.81%
10. [New Mexico Clean Energy Resilience and Growth](#): 82.81%