

# Manjunath Matam's challenge details for challenge: [Solar Prize Round 6](#)

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## Explanation

We are building a mini-inverter. We need help to test this mini-inverter under indoor environment. We need access to the indoor setup simulating the grid, grid blackout features, etc. This is needed before we plan to test our prototype on the outdoor PV setup that is readily available.

## Key Needs

- Testing and Validation (5 / 5): We have PV setup readily available in our field. However, once we build a prototype product, we want to test it in an indoor environment simulating the grid, grid blackout, PV powered source, etc. Hence, this indoor environment is a key need of our proposed solution. But, we don't have it with us.
- Product Development (3 / 5): We have expertise in the product development but on a small scale only, not large scale.

## Matches

1. [Center for Future Energy Systems \(CFES\) at Rensselaer](#): 87.66%
2. [Filtration Energy Solutions Inc](#): 87.66%
3. [Marcus Engineering](#): 87.53%
4. [Center for Energy Research](#): 87.50%
5. [D2Solar](#): 87.50%
6. [mHUB](#): 87.50%
7. [Solar Inventions](#): 87.50%
8. [GoSun](#): 87.50%
9. [BlochSoft Technologies Inc](#): 87.50%
10. [Jackson State University](#): 87.50%