

## Explanation

We are looking for technical assistance in understanding the effect of atmospheric conditions on observed ground irradiance whether this is global horizontal, direct normal, or diffuse horizontal irradiance. This is going to be critical for our machine learning algorithm. We are looking for assistance in understanding PV panel output when the panel is subject to non-uniform irradiance.

We are also looking for corrosion protection experts to advise us about galvanic corrosion in our design.

Additionally, we are looking for small or mid-size EPC partners (1 to 10 MWs) to prove our tracker design.

## Key Needs

**SCADA integration:** We would like to be able to interface existing trackers on the market and command trackers using our software to be able to prove our software and control algorithms.

**Machine Learning and Image Processing:** We would like to learn more about the latest techniques in machine learning suitable for image processing applications as we will have to train our solution using a few hundred thousand images.

**Camera experts:** We would like to talk to someone who can guide us on how to specify and outsource our camera manufacturing.

**Manufacturing:** We need help in manufacturing the geared arc that transfers the movement to the row.

**EPC:** We would like to partner with EPCs that are willing to install our system on a small scale to prove the time savings, software, and control algorithms.

**Funding:** We are interested in gaining assistance with funding opportunities including SBIR and other technically focused resources to scale up our product and operations.