



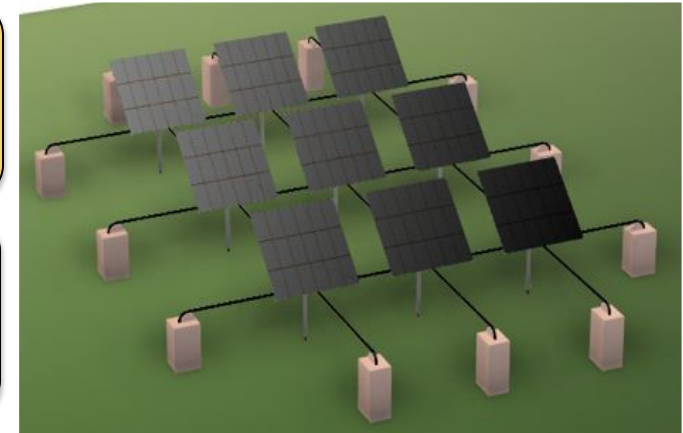
Cable-stayed dual-use dual-axis PV supports

Bridging Earth and Sky with Science and Engineering

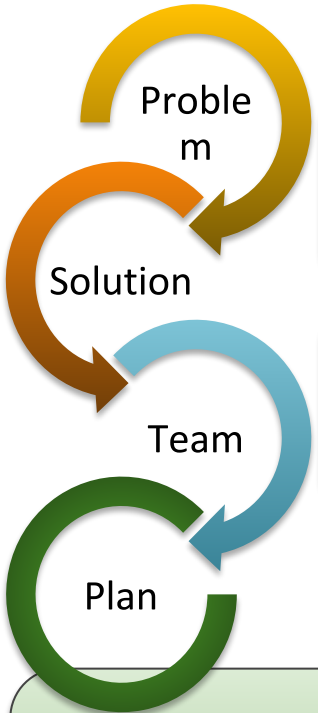
Solar farms consume vast quantities of land and some of best land for PV is farmland – flat, sunny, easy access. But to create dual-use, current solutions are too expensive.

By using cable-stayed technology (commonly used in suspension bridges or radio towers), RUTE has developed a cost effective method to raise solar panels 10'+ above farming with dual-axis tracking.

We are a combination of mechanical engineers, physicists, and solar capable business people with a proven track record of developing sustainable structures for renewable energy.



SUNFLOWER cable-stayed array, providing dual-axis, high-clearance, scalable solar panel supports.



With engineering drawings in hand, and using mostly off-the-shelf components; we will gradually pilot a 3x3 50kW array and then slowly scale to a 10x10 500kW array over the course of this contest.

READY!

- Today – 3 months
- Design elements complete
 - 3x3 test site identified
 - Patenting initiated
 - Construction contractor ready
 - Key suppliers identified
 - Partially build out (1-3 poles) for 3x3 array

SET!

- Months 4-6
- Build out 3x3 prototype
 - Confirm wind loading
 - Develop wiring methods
 - Optimize building methods
 - Explore alternative winch methods
 - Finalize controller software
 - Begin site visits with developers

GO!

- Months 7-9
- Identify key crops
 - Select winch methods for 10x10
 - Analyze maximum array size
 - Finalize deployment methods
 - Establish Service and Warranty Contractors