



# American-Made Solar Prize Round 7

## Ready! Contest Submission

### Rapidly Deployable Floating Solar System (RDF Solar) for Coastal and Remote Areas

VL Offshore, Houston, Texas ([www.vloffshore.com](http://www.vloffshore.com))

### Technical Assistance Request

To commercialize the RDF Solar System assistance will primarily be needed for the following areas during the “Set” Go” phases:

- For power systems, assistance is sought in selecting the optimum solar array type (flexible or rigid panel) configuration with the objective of maximizing power production in a coastal marine environment.
- Additional feedback regarding maintenance of the floating solar system will also be requested. Expertise on robotics and remote maintenance and monitoring systems will be of particular interest.
- Input will also be appreciated from the National Renewable Energy Laboratory for power efficiency analysis and installation site selection support. Additional support with site metocean data will also be sought.
- Commercialization assistance will be required for commercialization planning and investor outreach.

Post “Go” phase, additional assistance will be required in the following areas:

- Due to the polymer based principal structural elements, after “Go” phase assistance with structural analysis and optimization of the plant will also be required. This can be from either a national lab or Network member.
- Network power configuration with multiple units for one site.

There are several American-Made Network members who can provide the technical and commercial assistance required.