



# DoE Solar Challenge 7: Solar Cell Recycling



## Problem / Opportunity

- PV Recycling must progress
  - Landfill concern / public perception
  - Helps solve supply constraints
  - Necessary for circularizing economy (Earth & Space)
- Recycling process currently uses industrial chemicals
  - Produces waste stream
  - Expensive logistics of consumables disproportionately affects remote communities



## Team Lunexus Solution

- Energy based system of separating metals and silicates
  - Eliminates toxic chemistry and consumable expenses
  - Enables virtuous “dogfooding” of PV
- Set! Phase: Design & Prototyping
- Go! Phase: Experimentation with Georgia Tech
- JEDI target is underpowered US territorial islands

