

Solar Prize Round 6 Ready Submission:
OCTOPUS Solar: Lights, Camera, Cooling

- Clean infrastructure demands more Solar panel use and creative ways to integrate them, from Ports to Public Works.
 - A cost effective use may be to install lighting into their frames or onto racking or axis hardware.
- Future highly efficient bifacial and perovskite films and cells may enable bright LED artificial light night or daytime low natural light solar power generation.
 - Cameras mounted onto components may offer security and remote monitoring uses.
- Hardware for cooling panels down to STC 77F seem to have a need per my research (monofacial and bifacial modules). My personal experience and tests agree (such as charging my electric propulsion).
 - Use in Agrivoltaic farms may offer panel heat dissipation and plant irrigation.
- These additions need solar hardware mounting components, I now have a partnership with a US (west coast) specialty custom and production volume components, parts, custom tooling, lighting, hardware manufacturer.

