

Ten Thousand Splendid Suns



Steel

Replacing fossil fuels with sunlight for intense heat applications, like smelting steel & electricity. Eliminates 25% world CO₂ emissions.

10,000 Suns Concentration

Directed Energy Solar Array

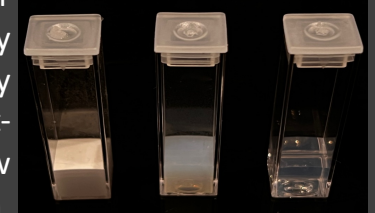
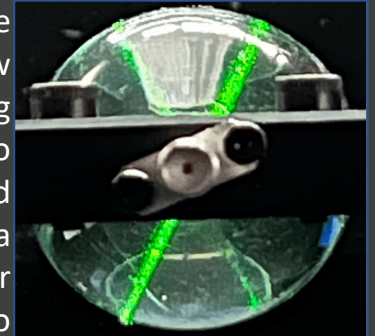
543 Light & Heat Containment

Truck for scale

Optometaphoresis

“Optics Changed by Migration of Nanoparticles”

During the SET phase GLT attempted to show bi-stable beam steering in a test fixture with two hemispherical optics and RF electrodes sandwiching a colloid sheet. A green laser beam was sent through to be deflected. Early efforts unsuccessful as long lead times for scientific equipment did not allow sufficient time to develop a way to breakdown the colloids to the needed size without nanoparticles recombining. Figs to the right show the test fixture with two directions of output beam. Laser input from the upper right reflected by total internal reflection instead of frequency based light steering. Nonetheless, fundamentals remain strong and GLT hopes to make new attempts shortly. Example colloids also shown.



Giant Leap Technologies