

# Aerospace Group Solar Power Generation Project



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### [Barrier Breaker Is Shaping Aerospace Engineering's Future](#)

From physics to aerospace engineering Harris's journey into the world of science began under the guidance of his physics teacher at the all-Black Armstrong High School, in Richmond.

### **The Truth About Terahertz**

UPDATE 5 MARCH 2024: In Terahertz technology, everything old is news again. "Not that much has changed in the past 10 or 15 years," says Peter H. Siegel. Siegel, an IEEE Life Fellow,



### [The World's Largest 3D Metal Printer Is Churning Out Rockets](#)

In traditional aerospace manufacturing, a design change can require almost a year of retooling and adjustments. Because hardware changes take so long, the avionics department is

### [Ukraine's Aerostat Revolution Revives Airship Technology](#)

In the heart of Ukraine's defense, helium-filled aerostats extend drone reach and safeguard troops.



### **MEMS In Space**

A MEMS-based digital thruster for attitude control is under development by Aerospace, TRW Inc. (headquartered in Cleveland, Ohio), and the California Institute of Technology, in Pasadena.

[GPS Spoofing Attacks Are Dangerously Misleading Airliners](#)

These tools are beginning to replace-or at least, amend-the role of full-fledged physics simulation in the automotive and aerospace industries, semiconductor engineering, and more.



**NASA TechPort**

Energized by the electric power from on-board solar arrays, the electrically propelled system will use 10 times less propellant than a comparable, conventional chemical propulsion system, such as those

[Palouse Aerospace group flies high - The Daily Evergreen](#)

On the morning of the summer solstice, Connor Luce took to 60 Acres park in Redmond, Washington. There, he flew a solar-powered plane, the year-long efforts of Palouse Aerospace. The



[Helium Giants Return: LTA Research Airship Over SF Bay](#)

The age of airships is reborn! LTA Research's Pathfinder 1, a 124-meter helium giant, soared over San Francisco Bay, marking a new era in sustainable aviation. Funded by Sergey Brin,

[Space solar power generation: A viable system proposal and](#)

We propose a scalable and economically efficient system for SSP enabled by high-efficiency, radiation-hard solar cells; high-efficiency integrated circuits; flexible phased arrays; and



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A space solar power prototype that was launched into orbit in January is operational and has



### Space-Based Solar Power Development

Satellites equipped with large solar panels or concentrators capture this solar energy and convert it into electricity. This electricity is then transformed into a form suitable for wireless transmission over long

demonstrated its ability to wirelessly transmit power in space and to beam detectable power to Earth



### [ASG Aerospace expands energy resilience through another solar](#)

ASG Produmax has this week switched on its latest sustainable investment - a 0.3 MW solar installation at its facility in Bradford. The system is now fully operational.

### Fly the Hybrid Skies

For this test series, engineers at GE Aerospace assembled two sets of a hybrid-electric system, representing the right- and left-engine sides of an airplane, and simulated the electrical loads



### [Electric Aircraft Motor Gets Superconducting Upgrade](#)

High-temperature superconductors are transforming electric aircraft motors from companies like Hinetics, offering unprecedented power density.

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The latest developments in aviation, satellites, astrophysics, space flight, and space exploration



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