



Powering **new** HORIZONS

Company presentation – November 2025

Astradyne has developed a **new generation** of solar arrays: SOLAR-Z

Less weight
up to **-60%**

At the same power output

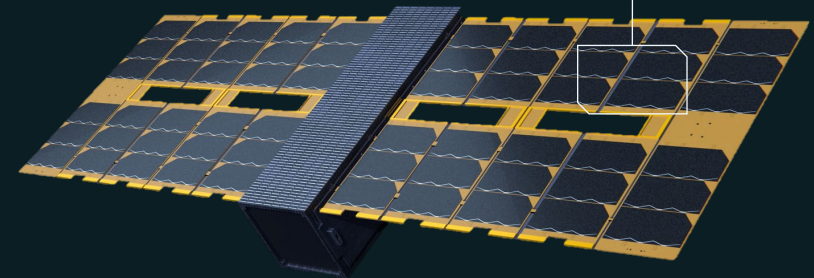
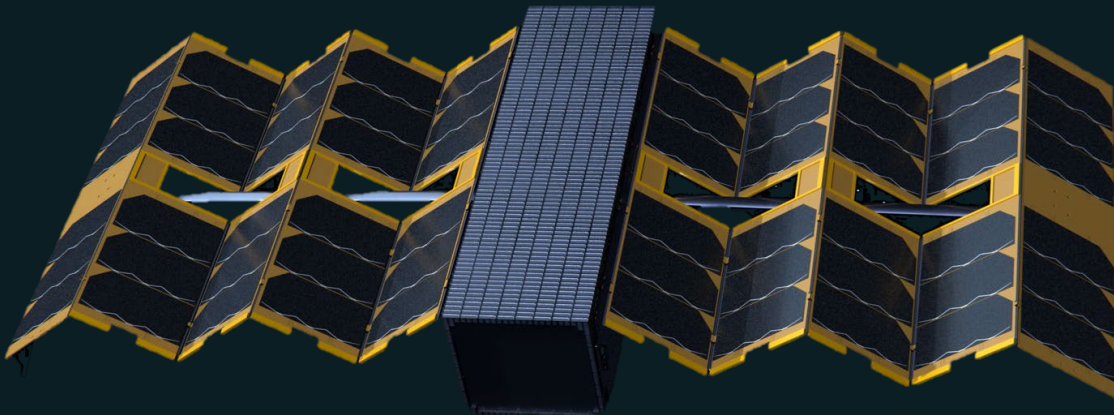
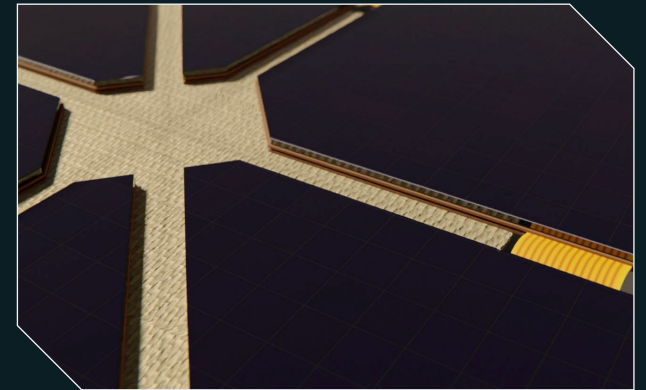
More power
up to **+100%**

At the same mass and volume

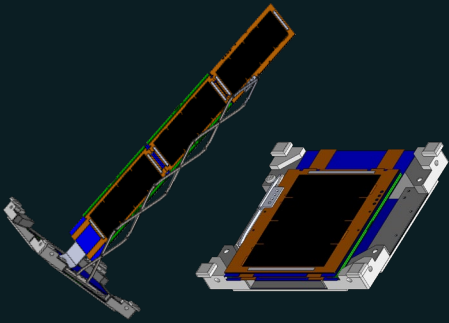
Lower price¹
up to **-85%**

¹Using alternative cell technologies

Based on
Astradyne's
proprietary
electromechanical
textile substrate

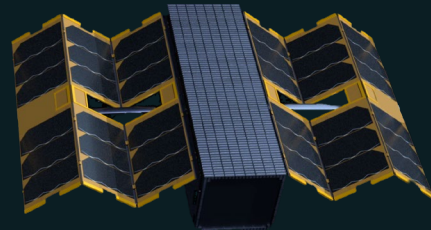


SOLAR-Z is built to be scalable and satisfy diverse power requirements



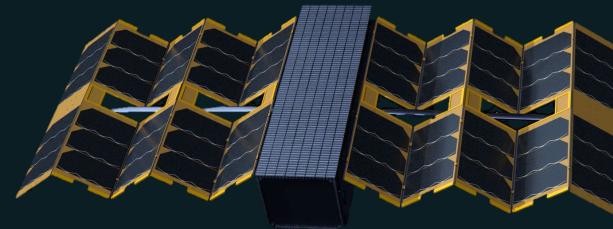
SOLAR-Z-PICO

- **Solar cells:** Silicon
- **Deployment:** passive, external pantograph
- **TRL:** 7. Will reach TRL 9 in Q4 2026
- **Use-case:** picosats or 10x10 CubeSat side



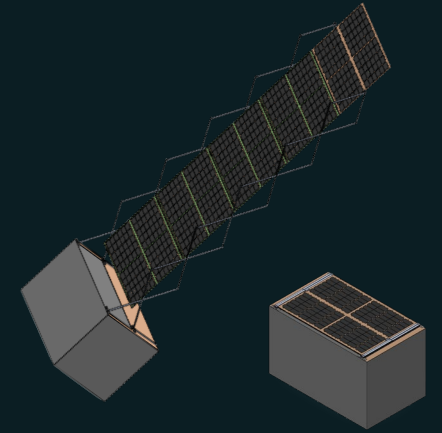
SOLAR-Z-15

- **Solar cells:** III-V GaAs or Si
- **Deployment:** passive, elastic booms
- **TRL:** 8. Will reach TRL 9 in Q4 2026
- **Technical specs:**
 - 15 W STC per wing
 - 3x 5S1P per wing
 - 35 W/kg



SOLAR-Z-35

- **Solar cells:** III-V GaAs or Si
- **Deployment:** passive, elastic booms
- **TRL:** 7. Will reach TRL 9 in Q4 2026
- **Technical specs:**
 - 35 W STC per wing
 - 6S5P per wing
 - 55 W/kg



SOLAR-Z-700

- **Solar cells:** III-V GaAs or Si
- **Deployment:** passive, external pantograph
- **TRL:** 5. Will reach TRL 9 in Q2 2027
- **Technical specs:**
 - 700 W STC per wing
 - 85 W/kg



ASTRADYNE

info@astradyne.space