

# Deployable Log-Periodic Dipole Array (LPDA) for Small Satellites and Landers



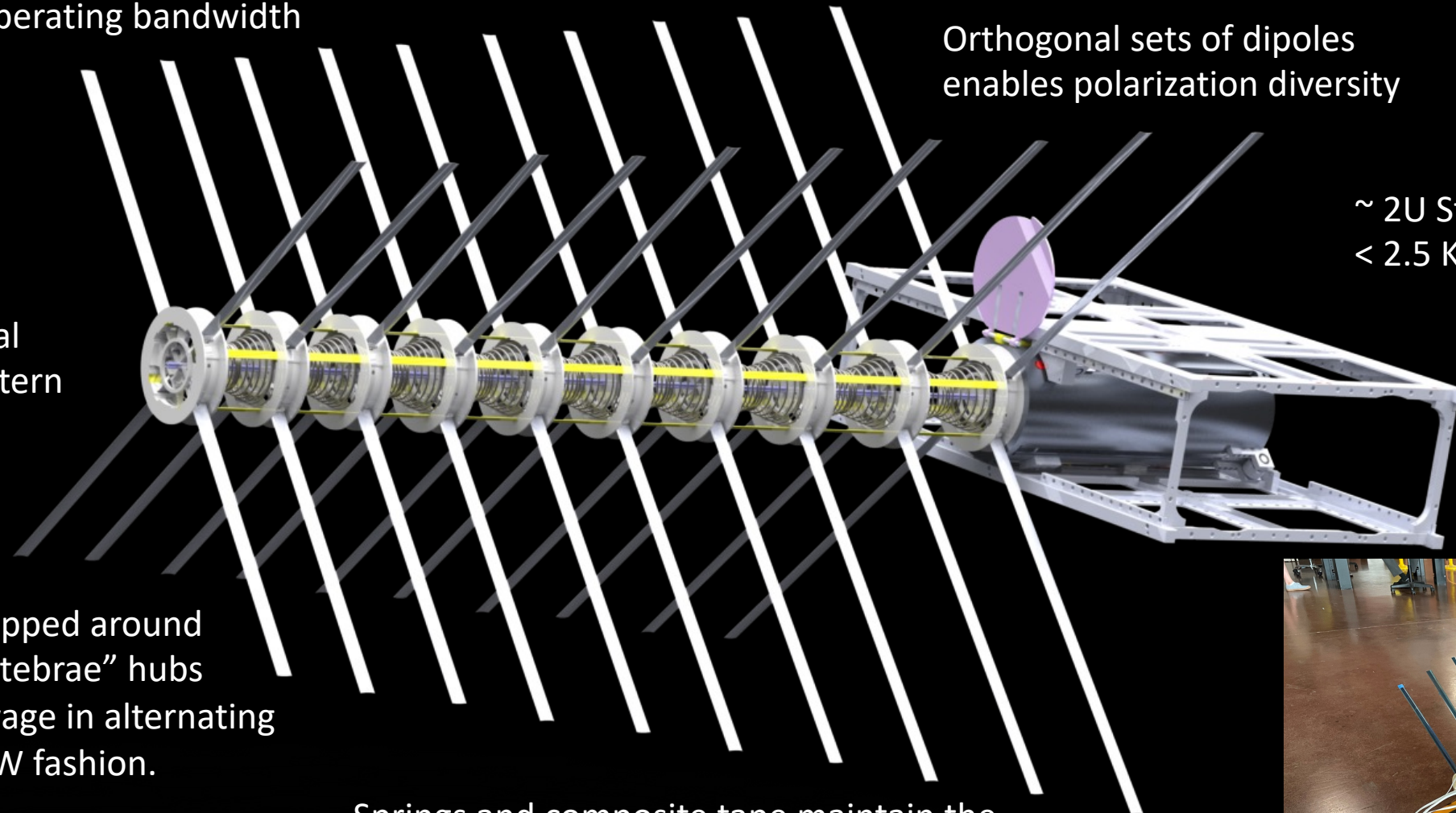
**FREEFALL**  
AEROSPACE

Very wide operating bandwidth

Orthogonal sets of dipoles  
enables polarization diversity

~ 2U Storage Volume  
< 2.5 Kg Mass

Directional  
beam pattern



Dipoles wrapped around  
central "vertebrae" hubs  
during stowage in alternating  
CW and CCW fashion.

Springs and composite tape maintain the  
separation between dipole elements

Built TRL 4 Prototype

