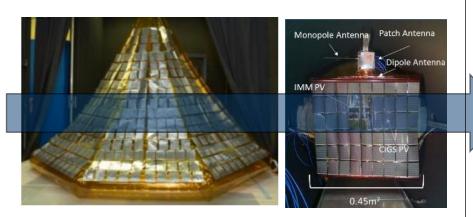




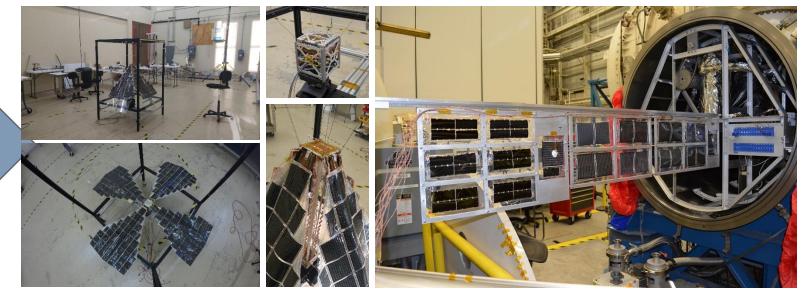
Conceived by Les Johnson and Leo Fabisinski circa 2011; born from Solar Sails...

MSFC IRAD 2012 and 2014



TRL3, Proof of Concept Work

Space Technology Mission Directorate (STMD) Early Career Initiative, 2015-2016

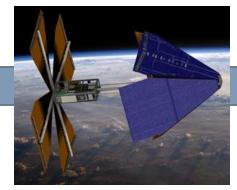


TRL4-6, Benchtop system to Environmental Testing Work

Partners/Providers: MSFC, NeXolve Holding LLC, Ascent Solar, and Microlink Devices

NASA

STMD GCD and MSFC IRAD, 2017





'Seedling' level work for demo mission concept



Materials to TRL7 for Low Earth Orbit

STMD Zero-G, 2019



Simulated microgravity deployment testing

Partners/Providers: MSFC, NeXolve Holding LLC, Ascent Solar, Microlink Devices, and Alta Devices

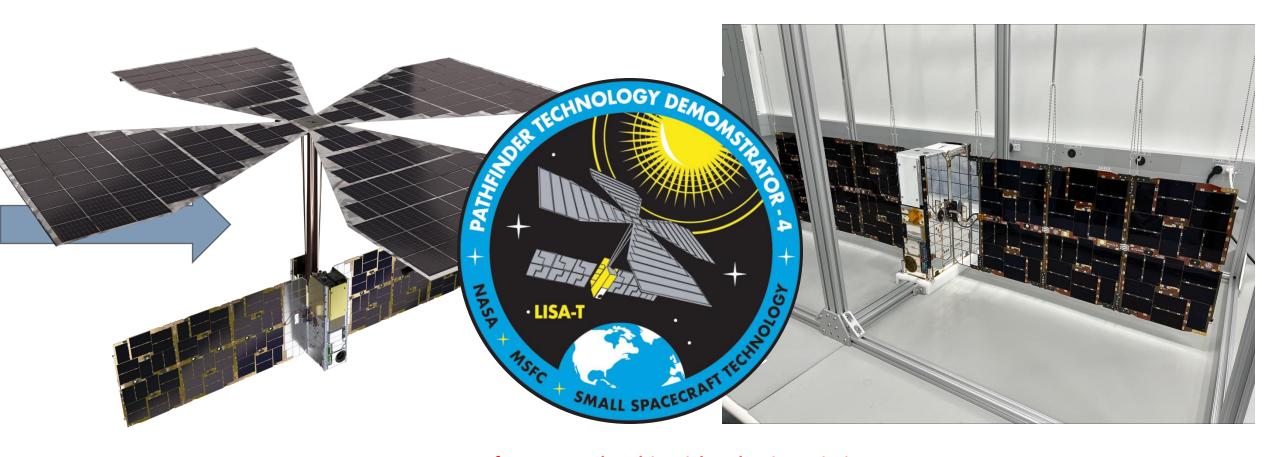


Spin-off NOAA OGA for Dedicated Antenna Development, 2020-2024





STMD Small Spacecraft Technology Program Demonstration Mission, 2020-2024



System to TRL7 for Low Earth Orbit; Risk reduction mission

Partners/Providers: MSFC, ARC, NeXolve Holding, LLC, Terran Orbital, Ascent Solar, Microlink Devices, and Aerospace Corp



Questions

Idea to Flight: LISA-T

John A. Carr, Ph.D.

NASA MSFC

Small Satellite Conference 2024