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PRESS RELEASE

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MMA Design's HaWK Solar Arrays Power SunRISE Mission

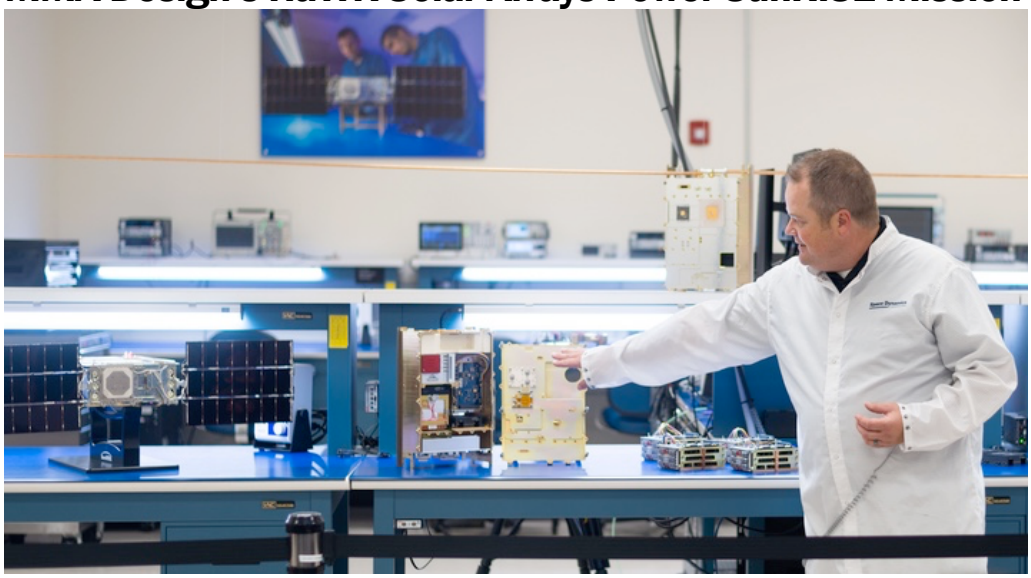
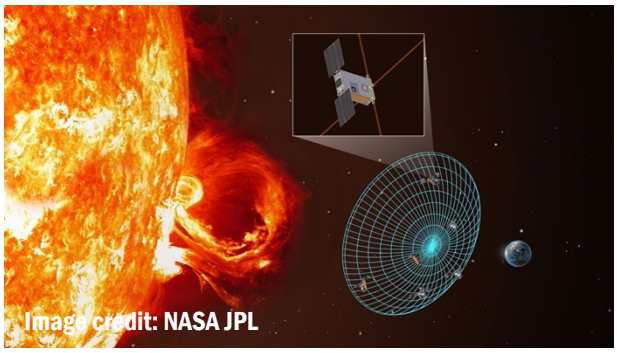


Image credit: SmallSat/Allison Bills

Louisville, CO – The Space Dynamics Laboratory (SDL) unveiled the first of a fleet of small satellites at the SmallSat Conference in Logan, Utah this summer in support of NASA's Sun Radio Interferometer Space Experiment (SunRISE) mission which will be powered by MMA Design's HaWK™ Solar Arrays. NASA selected SunRISE for development in 2020 as part of its Heliophysics Explorer program which aims to study space weather.

MMA completed the design, manufacture, test and delivery of twelve (12) HaWK Solar Array wings to SDL that will power SunRISE's 6U small satellite fleet. Each spacecraft is comprised of two wings that, combined, generate approximately 42 Watts of power. MMA's HaWK solar arrays are known for their industry-leading packaging metrics and proven reliability and heritage powering multiple civil, DoD, and commercial missions. NASA will launch the fleet in mid-2024 for operation in a geostationary orbit.

Image credit: MMA Design



The six 6U small satellites will operate independently but fly together in a fleet and act as a single, virtual large-aperture radio antenna, using a technique known as interferometry

The mission aims to observe low radio frequency emissions so that scientists can better understand how the Sun is able to generate intense space weather storms – known as solar particle storms – that can be hazardous to spacecraft and astronauts. This research will help scientists forecast space weather, improve what we know of how our Sun works and may apply to studies of other stars – particularly those with planets.

More About the Mission

SunRISE is a Mission of Opportunity under the Heliophysics Division of NASA's Explorers Program Office. Missions of Opportunity are part of the Explorers Program, the oldest continuous NASA program designed to provide frequent, low-cost access to space using principal investigator-led space science investigations relevant to the Science Mission Directorate's (SMD) astrophysics and heliophysics programs. The program is managed by NASA's Goddard Space Flight Center in Greenbelt, Maryland, for SMD. SunRISE is led by the University of Michigan in Ann Arbor and managed by JPL, a division of Caltech in Pasadena, California

ABOUT MMA Design

Space is our passion and exploring is in our DNA.
Headquartered in Louisville, Colorado, our creative and agile team is creating innovative, ingeniously packaged, disruptive deployable solutions that are revolutionizing the state-of-the-art. From R+D to Flight, we think out of the box to put more into the box for your Space mission.

Learn more at www.mmadesignllc.com

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