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Redwire Successfully Delivers Fourth Pair of Roll-Out Solar Array Wings for ISS Power

JACKSONVILLE, Fla.--(BUSINESS WIRE)-- Redwire Corporation (NYSE: RDW), a leader in space infrastructure for the next generation space economy, announced today the successful delivery of the fourth pair of Roll-Out Solar Array (ROSA) wings for the International Space Station (ISS), also known as the IROSA program. The wings were developed and delivered through a follow-on contract with Boeing, NASA's prime contractor for ISS operations.

The IROSA wings enhance the space station's power supply to support critical research and space operations. The fourth pair of wings were developed in partnership with Boeing's Spectrolab and delivered through a follow-on contract awarded in June 2022. Since 2021, a total of six Redwire-built arrays have been deployed on the ISS, modernizing its critical power supply.

"With eight IROSA wings produced, and six currently deployed and powering the ISS to date, IROSA is a proven technology for powering sustained human activities in space," said Peter Cannito, Redwire Chairman and CEO. "The technical success of the program paves the way for new opportunities for commercial space stations and sustained power infrastructure on the Moon and beyond."

The delivery of the most recent set of IROSA wings follows acceptance testing consisting of multiple ambient functional deployments, vibration, and cold and hot temperature deployments. The wings are undergoing flight package integration in the Space Station Processing Facility at NASA's Kennedy Space Center in Florida and are slated to launch on an upcoming commercial resupply mission to the ISS.

Each wing provides an additional 20+ kW of power for over 10 years once deployed, and all eight IROSA wings combined will provide more than 160 kW. Since installation on the ISS, the six currently deployed wings have operated nominally, enabling extended operation of ISS to 2030 and beyond.

Redwire has continued to advance ROSA technology to power other spaceflight platforms and ambitious missions with reliable and stable power solutions for civil, DoD, and commercial customers. Redwire is currently building ROSA systems for the Power and Propulsion Element for NASA's Gateway program, a part of the agency's Artemis program, and Astrobotic's Lunar Vertical Solar Array program, which aims to provide sustainable power on the lunar surface. Along with its previous success on the ISS, Redwire's ROSA technology also powered NASA's DART spacecraft to impact the asteroid Dimorphos, successfully altering the asteroid's orbit in September 2022.

About Redwire

Redwire Corporation (NYSE:RDW) is a global space infrastructure and innovation company enabling civil, commercial, and national security programs. Redwire's proven and reliable capabilities include avionics, sensors, power solutions, critical structures, mechanisms, radio frequency systems, platforms, missions, and microgravity payloads. Redwire combines decades of flight heritage and proven experience with an agile and innovative culture. Redwire's approximately 700 employees working from 17 facilities located throughout the United States and Europe are committed to building a bold future in space for humanity, pushing the envelope of discovery and science while creating a better world on Earth. For more information, please visit redwirespace.com.

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