August 25, 2022

Redwire's Critical Imaging and Navigation Technology Launching on NASA's Historic Artemis I Mission to the Moon

JACKSONVILLE, Fla.--(BUSINESS WIRE)-- Redwire Corporation (NYSE: RDW), a leader in space infrastructure for the next generation space economy, announced today that its critical sun sensor components and advanced optical imaging technologies will be launching on NASA's Orion spacecraft, as a part of NASA's Artemis I mission. The Artemis I mission will enable humanity's return to the Moon in preparation for future crewed missions to Mars, and is set to launch no earlier than August 29, 2022 at 8:33 a.m. EDT from Kennedy Space Center in Florida.

"We are proud to support NASA's flagship exploration program as our technology serves as the eyes of Orion, seeing America return to the Moon in preparation for more ambitious space exploration missions in the decades to come," said Andrew Rush, Redwire President and COO. "Our technical contributions to this historic mission are emblematic of the innovation and strength of the American industrial supply base that anchors our nation's space program. Redwire technology has supported over 50 years of NASA exploration and we are excited to build on that legacy in this new era of discovery."

Redwire is providing an array of internal and external inspection and navigation cameras comprising the Orion Camera System, under a contract with Lockheed Martin. The 11 internal and in-vacuum cameras that make up the Orion Camera System will allow in-flight inspection of the entire spacecraft from the docking hatch to the main engine, provide data to the Camera Controller for machine vision processing to determine Orion's position and velocity relative to Earth and record and stream high-quality video of key mission events such as separation, jettison, deployment and release events.

In addition to the Orion Camera System, Redwire is also providing a mission-unique kit that includes a virtual reality camera and forward-facing console camera that will be flying on the Artemis I mission.

Redwire is also providing four redundant Coarse Sun Sensor (CSS) detector assemblies for Orion's European Service Module (ESM) through a contract with Airbus. The CSS detectors are part of Orion's solar power generation system and will provide important data to the Solar Array Drive Electronics to adjust the ESM's solar panels.

Following successful initial development and delivery of camera system hardware for the Artemis I and Artemis II missions, Redwire was awarded a follow-on contract in March 2021, which adds Artemis missions III through V, with options for Artemis VI through VIII. Redwire has already successfully delivered CSS assemblies for future Artemis missions and is under contract with Airbus to provide these assemblies for all Artemis missions through ESM-6.

About Redwire Camera Systems

Redwire's high performance space camera systems for human and robotic spacecraft can support multiple commercial, civil space and defense mission applications including machine vision, optical navigation, science, remote sensing, photogrammetry, inspection, video monitoring and mission documentation. Redwire cameras are also being utilized for a NASA Commercial Lunar Payload Services mission.

About Redwire Coarse Sun Sensors

With an impressive track record of flight heritage and mission reliability, Redwire's CSS technology has successfully performed in highly elliptical, geostationary and low- and medium-Earth orbits, on various interplanetary missions to the Moon and Mars and in deep space. CSS technology is currently providing critical navigation capability on GPS, NASA's Lucy mission to Jupiter's Trojan asteroids, NASA's IXPE mission to observe black holes and neutron stars and NOAA's GOES platforms for Earth weather monitoring.

About Redwire

Redwire Corporation (NYSE: RDW) is a leader in space infrastructure for the next generation space economy, with valuable IP for solar power generation and in-space 3D printing and manufacturing. With decades of flight heritage combined with the agile and innovative culture of a commercial space platform, Redwire is uniquely positioned to assist its customers in solving the complex challenges of future space missions. For more information, please visit redwirespace.com

View source version on businesswire.com:
https://www.businesswire.com/news/home/20220825005198/en/

Media Contact:
Tere Riley
Tere.Riley@redwirespace.com
321-831-0134

OR

Investors:
investorrelations@redwirespace.com
904-425-1431

Source: Redwire Corporation