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Redwire Announces Strategic Investment in Next-Generation Phased Array Antenna Technology to Advance Global Warfighter Connectivity

SALT LAKE CITY--(BUSINESS WIRE)-- Redwire Corporation (NYSE: RDW), a global leader in aerospace and defense technology solutions, today announced a strategic investment in next-generation phased array antenna technology to deliver faster, more resilient, and more scalable space-based data networks for global warfighter communications. This strategic investment positions Redwire at the forefront of a rapidly expanding market where high-capacity, low-latency communication is essential for national security, civil, and commercial missions.

Redwire's investment will accelerate the development and production of highly adaptable phased array antenna systems capable of supporting emerging mission demands across low Earth orbit (LEO), medium Earth orbit (MEO), and geostationary orbit (GEO). These advanced systems will provide dynamic beam steering, improved link reliability, and increased throughput—critical capabilities for modern warfighter communications as the industry advances toward distributed architectures and proliferated constellations.

“Space data networks are evolving at an unprecedented pace, and phased arrays are a foundational technology enabling that transformation,” said Mike Sharkey, Senior Vice President, Redwire Defense Tech, RF Systems. “By investing heavily in this domain, Redwire is ensuring our customers can deploy communication solutions that are more flexible, more powerful, and more resilient than ever before.”

Redwire's portfolio of flight-proven RF products includes the tactical connectivity antennas that are being utilized on the Proliferated Warfighter Space Architecture military satellite network—in 2023 the antennas enabled the first-ever U.S. military Link-16 communications from space. Additionally, Redwire's portfolio includes highly complex RF payloads, including advanced RF payloads currently in production for a European defense contractor.

These advanced systems are flight-proven, providing a strong foundation for the company's expanded product investment, which follows a major capital upgrade of Redwire's RF flight electronics assembly facilities.

Redwire's RF Systems group, based in Longmont, Colorado, is a merchant supplier of RF tactical communications and sensing payloads to Tier 1 aerospace and defense primes. These advanced RF systems are the backbone of mission-critical space communication and Redwire is a world leader in antenna production, with more than 200 flight antennas delivered.

About Redwire

Redwire Corporation (NYSE: RDW) is an integrated space and defense tech company focused on advanced technologies. We are building the future of aerospace infrastructure, autonomous systems, and multi-domain operations leveraging digital engineering and AI automation. Redwire's approximately 1,400 employees located throughout North America and Europe are committed to delivering innovative space and airborne platforms transforming the future of multi-domain operations. For more information, please visit [RDW.com](https://rdw.com).

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Media Contact:

Tere Riley

Tere.Riley@rdw.com

OR

Investors:

Investorrelations@rdw.com

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