



FOR IMMEDIATE RELEASE

QUADRUS CORPORATION NEGOTIATING PHASE II SBIR WITH DLA

Huntsville, Ala., Aug. 11, 2025 -- Quadrus Corporation has entered negotiations for a Phase II Small Business Innovation Research (SBIR) contract with the Defense Logistics Agency (DLA) to further advance the use of additively manufactured Scallmalloy® components. The hope for these components is to modernize UH-60 Black Hawk helicopter castings.

Phase II will build on the successful work from Phase I and aims to replace legacy ZE41A-T5 magnesium alloy castings with optimized corrosion-resistant Scallmalloy® parts, including a redesigned tail rotor gearbox housing.

This program directly addresses growing challenges in the sustainability and manufacturing for legacy aircraft. Magnesium alloy castings are increasingly difficult to source, expensive to maintain, and highly susceptible to corrosion. Scallmalloy® offers a compelling solution, combining superior mechanical properties, outstanding corrosion resistance, and proven performance at a lower total lifecycle cost.

Quadrus Corporation, the first North American company certified by APWORKS to process Scallmalloy® commercially, has continued to lead across the industry in U. S. adoption of the alloy. Through participation in the Additive Manufacturing Now (AMNOW) program and continued work with DLA and the Army, Quadrus Corporation is accelerating the transition of advanced additively manufactured materials into flight-critical defense systems.

“Our redesigned component will not only extend service life and reduce sustainment burdens, it will help strengthen the U. S. defense industrial base by moving away from strategic materials sourced in adversary nations. Scallmalloy® enables us to build better parts faster, and this Phase II effort puts us on a direct path to fielding durable, cost-effective solutions for rotary wing platforms.”

-Dr. Joe Sims, Director of Advanced Manufacturing at Quadrus Corporation

ABOUT QUADRUS CORPORATION:

Quadrus Corporation is a leading provider of commercial software solutions, contract engineering services, integration, and advanced manufacturing techniques based in Huntsville, Ala.

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