

**FOR IMMEDIATE RELEASE**

# DLA INDUSTRY COLLIDER EVENT AWARDS PHASE I SBIR CONTRACT

Huntsville, Ala., Sept. 23, 2024 -- Quadrus Corporation's Advanced Manufacturing Division (QAMD) announces a Phase I Small Business Innovation Research (SBIR) contract award from the Defense Logistics Agency (DLA).

The Phase I SBIR contract award was recognized at the DLA Industry Collider event held in Alexandria, Va. on Sept. 10, 2024. The contract seeks to expand the use of scandium in high-strength aluminum alloys across the defense industry.

QAMD plans to demonstrate the use of additively manufactured Scalmalloy®, an aluminum-scandium alloy, as a replacement for ZE41A-T5, a cast magnesium alloy, on the UH-60 Black Hawk rotary wing aircraft. An additively manufactured Scalmalloy® tail rotor gearbox housing will offer a significant improvement in life cycle cost over ZE41A-T5 due to the lower production costs, lower sustainment costs, and larger potential supplier base.

Quadrus Corporation was the first North American company to be certified by APWORKS to process Scalmalloy® commercially. QAMD has proven understanding of the high strength that scandium imparts to aluminum alloys, translating to a reduction in weight for a variety of components. Scalmalloy® can offer an increased resistance to high temperatures, damage, and corrosion compared to traditional aluminum alloys. Looking ahead, other applications for aluminum-scandium alloys may include the production and maintenance of missiles, aircraft, space launch vehicles, satellites, soldier systems, military ground vehicles, and marine applications.

Quadrus Corporation is excited to join DLA with this initiative.

## **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. Visit [www.quadruscorp.com](http://www.quadruscorp.com) to learn more.



above: representatives that were awarded at the DLA Industry Collider Event



above: Claire D'az with the SBIR contract award representing Quadrus Corporation at the event