



FOR IMMEDIATE RELEASE

QUADRUS CORPORATION SELECTED FOR MDA PHASE II SBIR CONTRACT

Huntsville, Ala., July 28, 2025 -- Quadrus Corporation, in collaboration with Valley Tech Systems, Inc. (VTS), dba Voyager Technologies, has been selected for a Phase II Small Business Innovation Research (SBIR) contract from the Missile Defense Agency (MDA). The selection supports the development of ALRT-XDACS – an Additively Manufactured, Low-Cost, Ready, and Transportable Extinguishable Divert and Attitude Control System (DACS).

Under this Phase II effort, Quadrus Advanced Manufacturing Division (QAMD) will deliver high-performance components to replace expensive legacy parts and significantly reduce cost and lead times. Examples include an additively manufactured Scallmalloy® gas generator case and C103 niobium alloy valve hardware. These components will be integrated into a proven DACS architecture previously developed by VTS, providing the MDA with an affordable, scalable propulsion system for future missile defense applications.

By switching from traditional Ti-6Al-4V and carbon-carbon CMC components to Scallmalloy® and C103, ALRT-XDACS is expected to reduce component costs by up to 75% while dramatically shortening production timelines from months to days. The new components will leverage established material property databases from prior MDA and Navy funded efforts, with both materials already backed by secure, U. S.- based supply chains.

“Our goal is to enable the next generation of defense propulsion with the power of additive manufacturing. With ALRT-XDACS, we’re delivering a DACS solution that is not only lower cost and faster to produce, but more modular and adaptable for future mission needs without compromising performance or reliability.” -Dr. Joe Sims, Director of Advanced Manufacturing at Quadrus Corporation

This effort reinforces Quadrus Corporation’s continued leadership in delivering flight-ready, additively manufacturing-enabled hardware for national defense. Together with VTS’s propulsion design expertise, Quadrus Corporation is helping reshape how precision DACS systems are designed, manufactured, and deployed.

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 to learn more.