

Executive Summary



Scout Aerospace LLC is an orbital asset and spacecraft design and manufacturing company. The space industry is going through a renaissance where 3D printing, component miniaturization, and privatization have created new business opportunities. The company serves as a vehicle to move advanced aerospace technology from the laboratory to the marketplace. Scout Aerospace focuses on technology for commercialization of cislunar space with focuses on: active debris removal, satellite servicing and relocation, solar power satellites, LEO infrastructure and manufacturing, and interplanetary transport systems.

Market Overview

The introduction of asset miniaturization, additive manufacturing, and reusable launch vehicles have created a change in perceptions for space markets which has opened the door for market innovations. Dozens of new companies have formed to take advantage of these changes. These changes have also precipitated a desire to begin expanding commercial applications in cislunar space beyond telecommunication and Earth observation.

Advantages

- Scout Aerospace enjoys a small business status and can apply for SBIRs independently or STTRs in co-operation with research institutions such as Georgia Tech.
- Scout management has over 20 years of combined aerospace logistics and technical experience.
- Scout has easy access to talent from the #2 aerospace engineering school in the nation, The Daniel Guggenheim School at Georgia Tech.
- Scout has networking connections with Goddard's SSPD and Marshall's Advanced Manufacturing group.

Corporate History

To date Scout Aerospace LLC has achieved the following accolades:

- Formed a partnership with the Georgia Space Grant Consortium
- Won a grant from the GSGC for a \$10,000 dollar matching proposal for student projects and internships.
- Sponsored the Georgia Tech 2019 Fall Capstone Program for development of a AF-M315E fueled monopropellant thruster for CubeSats.
- Mentored four engineering students from Kennesaw State University during a Summer space industry orientation course.
- Submitted SBIRs and STTRs for "Photolysis based Ignition" and "Solar Power Satellites" in 2019.

Market Strategies

Scout Aerospace seeks to provide customers value from commercial development of cislunar space by:

- Using underrecognized talent and resources that the State of Georgia provides.
- Incorporate experienced ISS and NASA engineers and scientists into our advisory board.
- Innovating to find unique commercial opportunities for freefall manufactured products in terrestrial markets.
- Creating technologies to establish or facilitate cislunar logistic infrastructure.

Leadership

Scout Aerospace is currently owned and operated by its membership and officers:

Steven Mellard

- Chief Executive Officer
- Dual degrees in physics and Mechanical engineering from UWG and Georgia Tech. MS in Nuclear Engineering from Georgia Tech.
- 10-year veteran of Delta Air Lines supply chain logistics and engineering technologies departments.
- Certified E.I.T. for mechanical engineering in the State of Georgia.

Nicholas Davis

- Chief Operations Officer
- Certified FAA A&P technician with a specialization in avionics.
- Over 1500 hours aircraft and avionics and 10 years in aviation MRO services.
- Certified FCC amateur radio operators license with RADAR endorsements.