

The background of the slide is a deep blue space filled with numerous stars of varying brightness. A prominent feature is a large, reddish-brown planet, likely Mars, which occupies the right side of the frame. The planet's surface shows some darker, cratered regions. The overall lighting is soft, with a slight glow around the planet.

**NASA/MARSHALL SPACE
FLIGHT CENTER**

JOINT COUNSELING SESSION

***Additive Manufacturing &
Engineering, Inc.
Thurston Hawkins***

February 18, 2025

Background

COMPANY NAME:	Additive Manufacturing & Engineering, Inc.	ADDRESS:	128 Hall Bryant Circle, Huntsville, AL 35806
OWNER:	Jerry Moseley	CONTACT NAME:	Thurston Hawkins
EMAIL:	thawkins@amehsv.com	YEARS IN BUSINESS:	6
CAGE CODE:	87S43	DUNS NUMBER:	081358204
WEB SITE:	amehsv.com	NAICS CODES:	332999, 336411, 336412

Business Size & Classifications

TOTAL EMPLOYEES:	5
AVERAGE SALES:	\$1 Millon

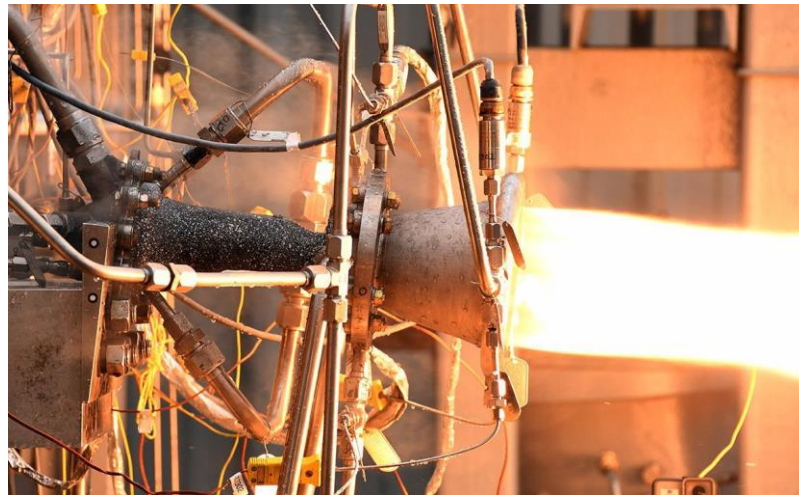
CLASSIFICATIONS (select from list below):	Yes/No
SMALL BUSINESS	Yes
SMALL DISADVANTAGED BUSINESS	Yes
NATIVE AMERICAN-OWNED	No
ALASKAN NATIVE CORPORATION	No
WOMEN OWNED	No
ECONOMICALLY DISADVANTAGED WOMEN OWNED	No
VETERAN-OWNED	No
SERVICE DISABLED VETERAN OWNED	No
HUBZONE CERTIFIED	Yes
8(A) CERTIFIED	No
8(A) EXPIRATION DATE (if applicable)	

Company Overview

- Additive Manufacturing & Engineering, Inc. (AME) is a minority owned Small Disadvantaged Business (SDB) concern
- Incorporated under the laws of Alabama in 2018
- Founded by Jerry Moseley President & CEO of Moseley Technical Services, Inc. a Staffing and Engineering Services Company operating in Huntsville, AL since 1994
- Who We Are: Additive manufacturing company specializing in metal additive manufacturing for aerospace, defense, and energy.
- We utilize EOS M400 machines which can produce parts up to 400mm X 400mm X 400mm (16" X 16" X 16")
- Expertise: Parameter development, material qualification, and large-format additive manufacturing.

What we do!

- AME produces parts from metal powder using the Laser Powder Bed Fusion (LPB-F) process
- Materials: Copper, Inconel, Stainless, Titanium, and Aluminum
- Additive Manufacturing can get you from final drawings to ready for a test stand in 12-14 weeks



Photos courtesy of NASA & publicly available in document: 55th AIAA/SAE/ASEE Joint Propulsion Conference 2019

Why Metal Additive?

- **Design Freedom:** Enables complex geometries not possible with traditional machining.
- **Weight Reduction:** Optimized structures for aerospace applications.
- **Rapid Prototyping:** Faster iteration and qualification cycles.
- **Performance Improvements:** Custom-tailored material properties for extreme environments.
- **Obsolescence and Sustainability:** Additive can allow for the continued maintenance of an aging fleet. Utilizing CAD files, scans of obsolete items into a 3D model, reverse engineering of drawings allows for the reproduction of part that were no longer available.

Why AME?

- OUR EXPERIENCE! OUR TEAM!
 - **Ken Cooper** our Chief Engineer joined AME In 2019 after a 26 years NASA career focused on Additive Manufacturing
 - Tested and developed materials for more then 30 different Additive Manufacturing systems
 - Published and presented more than 50 scholarly papers and articles, on topics ranging from the beam speed effects on Titanium microstructures in electron beam melting to the development and use of the now standard NASA metal powder GRCop-42
 - **Bill Ondocsin** a Cofounder of AME and our Director of R&D, retired from NASA after 30 years serving in multiple program management roles for DOD and NASA.

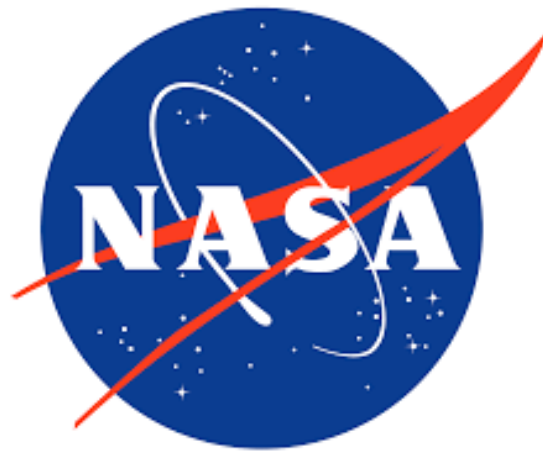
Why AME (continued)?

- AME has some of the largest commercially available metal 3D printers in the region. We run EOS M400 machines which can produce metal parts in sizes up to 400MM x 400MM x 400MM (16"x16"x16"). We can build 1 very large part, or a lot of very small parts.
- Material Leadership: Pioneering parameter development for GRX-810 and other advanced alloys.
- Located and certified in a HUBZone at 128 Hall Bryant circle, Huntsville Alabama 35806.
- AME is less than 10 miles from America's space and missile defense heartbeat! Redstone Arsenal and Marshall SpaceFlight Center!

Quality Systems

- AS9100D
- ISO 9001:2015
- ITAR Registered
- Compliant with NASA-STD-6030

Customers



Principle Point(s) of Contact

NAME	TITLE	PHONE	EMAIL
Thurston Hawkins	Business Development Manager	(205) 353-2787	thawkins@amehsv.com
Bill Ondocsin	Director of R&D	(256) 684-0511	wondocsin@amehsv.com