

The background of the slide is a deep blue space filled with numerous stars of varying brightness. On the right side, a large, reddish-brown planet, likely Mars, is partially visible, showing its textured surface. The text is overlaid on this background.

**NASA/MARSHALL SPACE  
FLIGHT CENTER**

**JOINT COUNSELING SESSION**

***Quadrus Corporation  
Patrick McKenzie***

***May 21, 2024***

# Background

<b>COMPANY NAME:</b>	Quadrus Corporation	<b>ADDRESS:</b>	200 Clinton Ave W. Ste 600 Huntsville, AL 35801
<b>OWNER:</b>	Jan Eiras President and CEO	<b>CONTACT NAME:</b>	Patrick McKenzie VP of Aerospace BD
<b>EMAIL:</b>	pmckenzie@quadruscorp.com	<b>YEARS IN BUSINESS:</b>	29
<b>CAGE CODE:</b>	06SE0	<b>DUNS:</b>	080933118
<b>WEB SITE:</b>	quadruscorp.com	<b>NAICS CODES:</b>	323111, 332999, 332510, 332710, 333249, 333999, 336415, 511210, 541513, 541519, <b>541715</b> , 541330, 541511, 541512, 561720, 611420, 611430

**CERTIFICATIONS (e.g., ISO 9001, AS 9100, etc.):** AS 9100 in process.

# Business Size & Classifications

<b>EMPLOYEES (range):</b>	<b>73</b>
<b>AVERAGE SALES (range):*</b>	<b>\$ 8 – 10M</b>

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

\*Based around NAICS 541715





# Primary Capabilities

- ✓ Quadrus Corporation provides expert Multidisciplinary Engineering, Consulting, Advanced Manufacturing and Staff Augmentation to complex defense, space, and commercial projects.
- ✓ Quadrus Corporation has a long history of technology development support to both government and industry customers. Some of our valued customers include Boeing, NASA, US Navy, US Army and many other space and defense companies.
- ✓ Quadrus Corporation has three decades of experience in which we have consistently proven to be innovative, cost efficient, and on the cutting edge of technology with our many distinguished attributes in engineering and our expertise in additive manufacturing of components, rapid prototype items, and materials science using such techniques as selective laser melting.



# Primary Capabilities

## Engineering Services

- Quadrus Corporation's Engineering Services Division has provided our customers with expertise in all phases of **Avionics and Ground Systems development, integration, and test for 25+ years.**
- Our engineers have helped integrate and test initial versions of the **THAAD weapons systems**, provided expertise in upgrading the THAAD Launcher, provided test tools and expertise for preliminary integration and test of the **Raytheon EKV**, flight test at Kwajalein Atoll for the PLV program, supported **GMD launch control, battle management, and missile integration**, test and emplacement, supported integrated flight testing for ABL.
- **Modeling and Simulation** including HWIL systems for test and integration, model development, data analysis and visualization, simulation framework development, verification, and V&V. Vehicle, sensor, communication, software defined radio, and telemetry system simulations and implementation.
- Led instrumentation and data acquisition for both the **Constellation Upper Stage Test Article and Flight Article**, led development of **Delta IV ground systems** used for integrated booster and second stage factory acceptance tests, integrated vehicle tests and launch control, and have provided expertise to the **Avionics integration and test of the Space Launch System** by providing specialized test equipment for individual Avionics boxes (Flight Computer, Telemetry Controller), system testing tools, test software development, and lab integration.

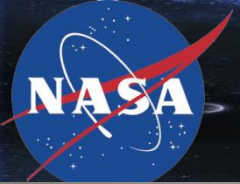


# Primary Capabilities

## Engineering Services

- **Quadrus Corporation (QC) supports mechanical design, test, and integration of the On-Board Test Equipment (OBTE) element on the Sentinel program.** Environmental and system modeling support for mechanical designs is provided, to include Finite Element Analysis (FEA) and thermal characterization, to confirm applicable requirements are met prior to manufacturing. QC also **leads the Airborne Vehicle Equipment (AVE) processing effort for OBTE**, planning and executing workmanship tests performed during assembly of the flight vehicle as it proceeds in Huntsville, Alabama, and Promontory, Utah.
- **Generic Interface Test Computer (GenITC)**  
GenITC Technology is a communications breakout box that is used as a versatile communications and emulation tool that can be configured to emulate any interface and system behavior. GenITC can pass all communications from one interface to the other. This allows for GenITC to be inserted nearly invisibly into a communications path. GenITC allows the user to have control over every message that passes through.
- Quadrus has recently **expanded its engineering services** to include **cable production** and quality testing as well as subsystem and test equipment design and development from requirements and drawing development, **“rack and stack” of electronic components** through board level design and manufacturing along with software development operating system driver development, upgrades and checkout.





# Awards





# Awards

- 2022 Industry and Advocate Award Ceremony - Small Business Subcontractor Excellence Award (nominated by Boeing)
- 2020 HUBZone Industry Awards Gala - Appreciation Award
- 2019 Madison Chamber of Commerce - Best in Business Awards Nominee for Best Business of the Year Award
- 2018 Boeing Performance and Excellence Award - Gold
- 2017 Boeing Performance and Excellence Award - Gold
- 2016 Marshall Space Flight Center - Small Business Subcontractor Excellence Award
- 2015 Boeing Performance and Excellence Award - Silver
- 2015 First Lego League Southern Challenge - Bronze
- 2014 Boeing Performance and Excellence Award - Silver
- 2014 Adventist Robotic League Southern Challenge - Winner
- 2013 Boeing Performance and Excellence Award - Silver
- 2013 Adventist Robotic League Southern Challenge - Winner
- 2012 Adventist Robotic League Southern Challenge - Winner
- 2010 Boeing Performance and Excellence Award - Gold
- 2009 Boeing Performance and Excellence Award - Gold
- 2009 Huntsville Association of Technical Societies - Joseph C Moquin Award
- 2008 Boeing Performance and Excellence Award - Silver
- 2007 Women's Business Center of North Alabama - Member of Society 75
- 2006 AIAA Alabama/Mississippi Section - Software Engineer of the Year Award
- 2004 Pride @ Boeing Award
- 2004 Boeing GMD GBI Excellence Award



# Principle Point(s) of Contact

<b>NAME</b>	<b>TITLE</b>	<b>PHONE</b>	<b>EMAIL</b>
<b>Patrick McKenzie</b>	VP of Aerospace Business Devel.	720-318-3949	pmckenzie@quadruscorp.com
<b>Jan Eiras</b>	President / CEO	256-327-3419	jeiras@quadruscorp.com
<b>Jay Laughlin</b>	Controller	256-327-3697	jlaughlin@quadruscorp.com