

The background of the slide is a deep space scene. It features a dark blue and black sky filled with numerous bright stars of varying colors, including white, yellow, and blue. A prominent blue and purple nebula or galaxy structure is visible in the upper left quadrant. On the right side, a large, reddish-brown planet, likely Mars, is partially visible, showing its characteristic surface features and a bright atmosphere. The overall lighting is soft, highlighting the celestial bodies against the dark void of space.

**NASA/MARSHALL SPACE  
FLIGHT CENTER**

**GD4 TEST SERVICES, INC.**

**JOINT COUNSELING SESSION**

**March 2, 2021**

# Background

<b>COMPANY NAME:</b>	<b>GD4 TEST SERVICES, INC.</b>	<b>ADDRESS:</b>	<b>8000 ANDERSON SQUARE SUITE 105 AUSTIN, TEXAS 78757</b>
<b>OWNER:</b>	<b>GEORGE JASTROCH</b>	<b>CONTACT NAME:</b>	<b>KEN ROJAS</b>
<b>EMAIL:</b>	<a href="mailto:krojas@gd4test.com">krojas@gd4test.com</a>	<b>YEARS IN BUSINESS:</b>	<b>14 years</b>
<b>CAGE CODE:</b>	<b>6GG03</b>	<b>DUNS NUMBER:</b>	<b>033377869</b>
<b>WEB SITE:</b>	<a href="https://www.gd4test.com">https://www.gd4test.com</a>	<b>NAICS CODES:</b>	<b>334419 (Other Electronic Component Manu.) 541380 (Test Laboratories)</b>

**CERTIFICATIONS: AS9100, ISO 9001, AS6171, ISO 17025, AS6081, ANSI/ESD S20.20, DLA LAB SUITABILITY/QTSL CERTIFIED.**

# Business Size & Classifications

<b>EMPLOYEES (range):</b>	<b>10-50</b>
<b>AVERAGE SALES (range):*</b>	<b>\$3-4 MIL</b>

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

\*Based around NAICS 334419





# Primary Capabilities

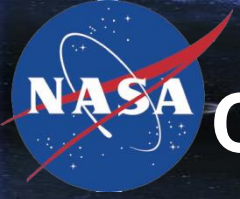
**GD4 Test Services, Inc. can provide any number of customized test and services including but not limited to:**

- **Electrical Testing**
- **Environmental Testing**
- **Counterfeit Mitigation**
- **Upscreen Testing**
- **Lead Conditioning / Solder**
- **Device Characterization**
- 4 ● **Failure Analysis / DPA**



# Primary Capabilities

- **Bake and Dry**
- **Bond Pull Test**
- **Burn In**
- **Constant Acceleration**
- **Coplanarity Inspection**
- **Counterfeit Detection**
- **C-SAM**
- **C-SEM**
- **Decapsulation**
- **Device Programming**
- **Die Shear Testing**
- **Electrical / Functional Testing**
- **External Visual Inspection**
- **Failure Analysis**
- **Fluorescent Dye Penetrant**
- **Heated Chemical Testing**
- **Hermiticity, Fine / Gross Leakage**
- **Highly Accelerated Stress Test**
- **JAN / JANTX / JANS Screening**
- **Particle Impact Noise Detection**
- **Solder Dip**
- **Solderability**
- **Solvents Testing**
- **Tape and Reel**
- **Temperature Cycle Testing**
- **X-Ray and XRF**



# Current and Recent Contracts/Performance ( $< 5$ years)

- **100 yearly QTSL / DLA contracts.**
- **150 annual Honeywell Aerospace SPOC 419 contracts.**
  - **150 annual Honeywell contracts.**
- **150 yearly Raytheon Q-Note projects.**
  - **12 yearly satellite projects.**
- **20 annual Boeing Defense projects.**



# NASA Value - Quad Chart



## Problem(s):

- Nowadays everything is in short order: materials, services, trust, accountability.
- The last thing MSFC and its Primes need to worry about is if an electronic component will function when fired.
- MSFC and Prime Contractors expect components to be tested, serviced and held to the highest standards with impartial results prior to end usage.
- Researching and onboarding reliable, responsible test labs with a variety of capabilities and certifications is time consuming.

## Company Solution:

- GD4 provides peace of mind with an open dialogue from start to finish with decisions made by the client. No guess work.
- GD4 provides impartial results with tracking, images, data and certifications to back it up.
- Our capabilities include: Burn-In, Temp Cycle test, Heated Chemical Test, C-SAM, Tape and Reel, Decapsulation, Electrical/Functional Test, Bake and Dry, and Environmental Analysis just to name a few.

## Value:

- GD4 Test Services is efficient to your bottom line and schedule: we customize test needs at cost effective rates with quicker turn times.
- With three U.S. locations (Texas, Florida and New York) we can accommodate your project(s) proficiently.
- GD4 strictly adheres to, and is certified in industry /military standards such as **ISO 9001, AS9100, ISO 17025, AS6171, MIL STD 883 and ANSI/ESD S20.20**

## Status of Solution:

- With a combined production space of nearly 20k sq. ft., GD4 is ready to accommodate MSFC and Prime Contractors with customized testing and service of electronic components.
- We are accustomed to testing and servicing 1000s of parts on a single project.
- Collectively, we possess 75 years of engineering experience.
- We are available in-person or virtually.



# Awards/Notable Accomplishments

- One of the first labs to be certified AS6171.
  - All sites are AS9100 Certified.
- We are ISO 17025 certified to a variety of services including but not limited to:  
Electrical test, X-Ray, XRF and more.
  - Sandia Lab Approved.
- Honeywell Aerospace SPOC 419 Approved.
- Honeywell National Defense Approved.



AS9100  
CERTIFIED  
ISO 9001



GD4  
Test Services, Inc.





# Principle Point(s) of Contact

<b><u>NAME:</u></b>	<b><u>TITLE:</u></b>	<b><u>PHONE:</u></b>	<b><u>EMAIL:</u></b>
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