

Small Business Programs Office - (SBPO) Newsletter May 2016 - Vol. 6

JPL SBPO CORNER:

JPL SBPO hosted its 20th Annual Small Business Supplier Fair on May 10, 2016. The event was a success with over 500 attendees, including JPL employees as well as Small Business exhibitors and non-exhibitors.

The Supplier Fair provided a forum for small business exhibitors to showcase how their products and services could benefit current and future NASA-JPL missions, research and development programs, and institutional support and operational efforts.



**JPL SMALL BUSINESS COUNCIL
CELEBRATED SMALL BUSINESS WEEK
MAY 6, 2016**



The JPL Small Business Council (SBC) celebrated National Small Business Week on Friday May 6, 2016 by hosting event featuring JPL Small Businesses on the mall at JPL.

**Small Business Spotlight of the
Month:
ZIN Technologies**



Founded in 1957, ZIN Technologies is a small disadvantaged business (SDB) headquartered in Cleveland, Ohio. ZIN has been providing products and support to NASA continuously since 1969. We offer multi-disciplinary engineering, flight hardware fabrication, and verification capability with small business flexibility.

Within our 60,000 square foot AS-9100C registered facility, we provide payloads and systems to NASA (GSFC, JSC, GRC) and NASA JPL. This includes to IPC J-STD-001ES and NASA-STD-8739. Our manufacturing and fabrication capabilities include a comprehensive machine shop and additive manufacturing facility (metal alloys and polymer), a work-order system, material and process control plans, Electronic, Electrical and Electromechanical (EEE) parts control, contamination allowance and control, risk management, Non-Conformance Resolution (NCR), CM, and Engineering Review Board (ERB) processes.

For the GSFC Magnetospheric Multiscale (MMS) mission, ZIN led the development, fabrication and verification of the flight attitude control systems. ZIN led the effort from TRL 3 to TRL 8 and is the first time that NASA has used linear acceleration for GNC on a constellation of spacecraft. The hardware allows for “dead reckoning” of each satellite in order to accurately track spacecraft position. This position tracking can be used for navigational and proximity control of the spacecraft.

ZIN is developing the Power Processing Unit (PPU) for the NASA NEXT-C Ion Thruster. This hardware is currently baselined on the Double Asteroid Redirection Test (DART), led by the John Hopkins University Applied Physics Laboratory, but the technology has promise for Discovery, New Frontiers and other missions.

ZIN is a major subcontractor to Aerojet Rocketdyne on the Advanced Electric Propulsion System (AEPS) contract. ZIN will provide a single board computers and auxiliary supplies to a 12.5 kilowatt Hall thruster system. This system will enable key elements of NASA's plans for exploration of cis-lunar space and Mars.

In July of 2015, ZIN was awarded a Multi-Divisional Engineering, Design, Analysis Lab-wide Support (MEDALs) contract supporting JPL.

ZIN develops physical science, combustion and human research payloads as the Prime Contractor for NASA under the SpaceFlight Systems Development and Operations Contract 2 (SpaceDOC2). Under SpaceDOC2, From Increment 29 through Increment 32 ZIN directly fabricated and delivered 31.5% of total ISS research upmass. 75% of all physical science research on the International Space Station since 2001 was developed and operated by ZIN Technologies.

For any questions, please contact ZIN's **JPL MEDALs Program Manager, Alan Chmiel** at **818-877-0511**.

PROCUREMENT NEWS

FACILITIES MAINTENANCE AND OPERATIONS RECOMPETE

The JPL Facilities and Maintenance & Operations (M&O) Support Services is being re-competed with an award anticipated in April 2017. Tentative Schedule:

Issue Request for Information - January 2016
Issue Request for Qualifications - April 2016
Issue Draft Request for Proposal - June 2016 ***UPDATED DATE***
Pre-proposal Conference/Site Survey - June 2016 ***UPDATED DATE***
Issue FINAL Request for Proposal - July 2016 ***UPDATED DATE***
Proposal Due Date - September 2016
Fact Finding/Orals - November/December 2016 ***UPDATED DATE***
Final Source Selection - February 2017
Subcontract Award/Transition Period - April 2017
End of Transition Period - September 2017

Summary of Scope:

The subcontractor shall maintain and operate over 200 buildings and trailers and more than 170 acres on campus via the following services:

- Buildings and Structures Maintenance and Repair
- Heating, Ventilation, Air Conditioning
- Electrical Power Generation and Distribution Systems
- Building 230-Space Flight Operations Facility
- Grounds Maintenance and Repair
- Janitorial Services

- Pest Control
 - Energy and Water Conservation
 - Disaster and Potential Disaster Response
 - Energy Management System
 - Power Control Console System Configuration Control
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DESKTOP INSTITUTIONAL COMPUTING ENVIRONMENT (DICE)

RFI to Industry: September 2015

Comments from Industry: October 2015 (and continuing)

Benchmarking and State-of-the-Industry Interviews: November 2015– February 2016

Draft RFP Available: June 2016

RFP Released: August 2016

Proposals Due: November 2016

Source Selection: May 2017

Contract Signed: July 2017

Transition Period: August – December 2017

New Contract Operational: December 2017

CUBESAT DEVELOPMENT - 3U & 6U

RFI Released September 2015

Revision to RFI - Issued 23-Dec-2015

Addendum 1 for clarification issued Jan 7, 2016

Addendum 2 for clarification issued Jan 21, 2016

Addendum 3 issued February 24, 2016

This Procurement is currently on hold ***NEW UPDATE***

UPCOMING OUTREACH EVENTS

May 2016

- 24th-26th; Space Tech Expo - Pasadena, CA

August 2016

- 3rd-4th; HBCU/MI Event at JPL - Pasadena, CA
- 9th; Goddard Space Flight Center (GSFC) HUBZone Industry Day - Greenbelt, MD
- 23rd-24th; Navy Gold Coast Conference - San Diego, CA

September 2016

- 27th-29th; HBCU Technology Infusion Tour: Florida Agricultural and Mechanical University

JPL Small Business Council

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JPL Large Business Council

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