



# GEORGE C. MARSHALL SPACE FLIGHT CENTER

## MSFC SMALL BUSINESS PROGRAM UPDATE/ UPCOMING ACQUISITIONS

PRESENTED TO:  
HUNTSVILLE AEROSPACE MARKETING  
ASSOCIATION

PRESENTER:  
MR. DAVID E. BROCK, MSFC SMALL BUSINESS SPECIALIST



1

MAY 9, 2008

# Marshall Space Flight Center (MSFC)

## Integral to NASA's Future - 45 Years Providing America's Space Solutions

### Our Property

- Center occupies 1,841 acres of property within the 38,000 acre perimeter of the Redstone Arsenal in Huntsville, Alabama
- Adjacent to Cummings Research Park; the University of Alabama, Huntsville; and the U.S. Space and Rocket Center



### Our Staff

- The Center employs about 6,500 people onsite (~2,500 Civil Service and 4,000 contractors)

### Our Space

- The Center occupies 237 buildings and structures that occupy 4.5 million square feet of technical and office space

**Our Impact:  
Budget of \$2.2B/year**



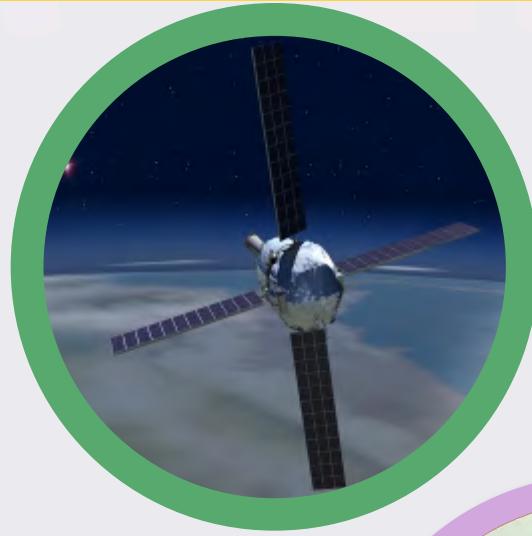
# MSFC's Product Lines/Competencies

Our Product Lines Are Integral to NASA's Mission & Enabling Exploration

**Space  
Transportation  
& Propulsion  
Systems**



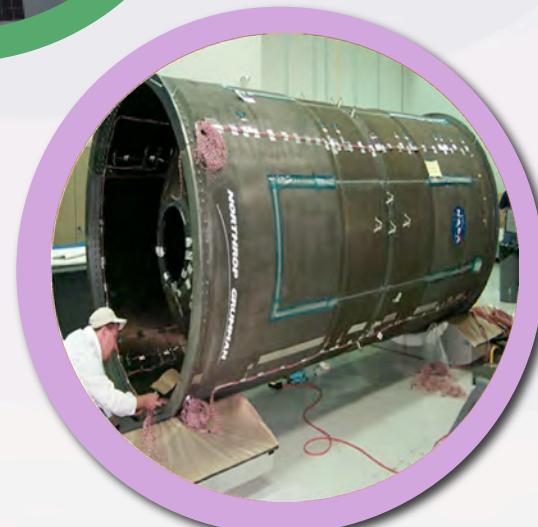
**Scientific  
Spacecraft  
Instruments  
& Research**



**Advanced Materials  
& Manufacturing  
Processes**



**Space Systems  
Development & Integration**



# MSFC Focus on Shuttle & Station

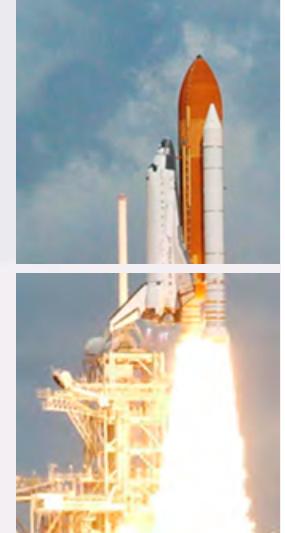
## Space Shuttle – 25 years of flight

- External tank
- Main engines
- Reusable solid rocket boosters
- Reusable solid rocket motors



## International Space Station 7 years of habitation

- Payload Operations Center – Science management
- Node 2 (connector module) & Node 3 (life support module)
- Multi-Purpose Logistic Modules
- Environmental Control & Life Support Systems
- Microgravity Science Glovebox
- Space Station Materials Science Research Rack





# MSFC FY/2007 Small Business Performance

(Dollars in millions)

Categories	Directs	Subcontracting	Cumulative	% Achieved
<b>Proc. \$</b>			<b>\$2,180.3</b>	
<b>SB</b>	\$186.5	\$322.8	\$ 505.3	23.4%
<b>*SDB</b>	\$ 62.2	\$161.2	\$ 223.4	10.2%
<b>WOSB</b>	\$ 42.8	\$ 89.8	\$ 132.6	6.1%
<b>HUBZone</b>	\$ 33.2	\$ 15.1	\$ 48.3	2.2%
<b>VOSB/SDVO</b>	\$ 24.4	\$ 24.3	\$ 48.7	2.2%
<b>HBCU/MI</b>	\$ 1.4	\$ 3.9	\$ 5.3	.2%

\* Includes SBA Section 8(a) awards.





# Ares I 2007 Contract Awards

PROGRAM	COMPETITION	AWARD DATE	AWARD RECIPIENT(S)
First Stage	Sole Source	8/10/07	ATK Launch Systems
First Stage Roll & Control Engine Thrusters	Unrestricted	5/15/07	Aerojet
Upper Stage Instrument Unit	Unrestricted	12/2007	Boeing
Upper Stage Engine	Sole Source	6/02/06	Pratt & Whitney Rocketdyne
Upper Stage Production	Unrestricted	8/28/07	Boeing
Upper Stage Pre-Valves	Unrestricted	6/15/07	Vacco Industries
Upper Stage Pre-Valves	Unrestricted	6/15/07	Moog, Inc.
Upper Stage Vent & Relief Valves	Unrestricted	6/15/07	Vacco Industries





# Ares I Subcontracting Projections

## CATEGORIES

**Total Value**

(Dollars in Millions)

## \$ PROJECTIONS

**\$5,000.0**

Small Businesses

\$ 750.0

Small Disadvantaged Businesses

\$ 225.0

Women-Owned Small Businesses

\$ 150.0

Historically Under-Utilized Zone

\$ 50.0

Small Businesses

Veteran-Owned Small Businesses

\$ 50.0

Service-Disabled Veteran-Owned

\$ 50.0

Small Businesses

Historically Black Colleges & Universities/

\$ 20.0

Minority Institutions





# MSFC Competitive Acquisitions - 24 Month Projection

<u>TITLE</u>	<u>INCUMBENT</u>	<u>RFP RELEASE</u>	<u>COMPETITION</u>
Michoud Assembly Facility Manufacturing Support & Facility Operations	Lockheed Martin	April 2008	Full and Open
Network Services	None	May 2008	GSA Full and Open
Occupational Medicine & Environmental Health Services	AJT & Associates	May 2008	SB Set-Aside
Unified NASA Information Technology Services	SAIC, Inc.	December 2008	Full and Open
Engineering Cost Analysis	SAIC, Inc.	September 2009	GSA Full and Open

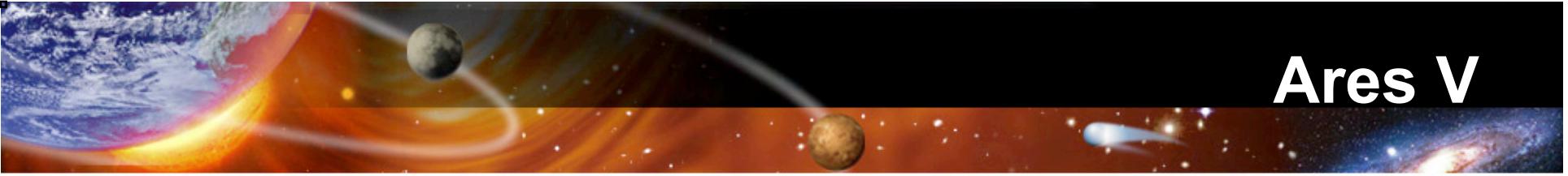




## MSFC Competitive Acquisitions - 24 Month Projection (Cont.)

<u>TITLE</u>	<u>INCUMBENT</u>	<u>RFP RELEASE</u>	<u>COMPETITION</u>
Facility Engineering Design Services	SEI Group	September 2009	8(a) Competition
Engineering, Scientific, & Technical Services	Jacobs Engineering	December 2009	Full & Open
Environmental Engineering	Great Southern	February 2010	SB Set-Aside
Environmental Engineering	CH2M Hill	February 2010	Full and Open
Acquisition & Business Support Services	Digital Fusion	February 2010	GSA Log-world SB Set-Aside

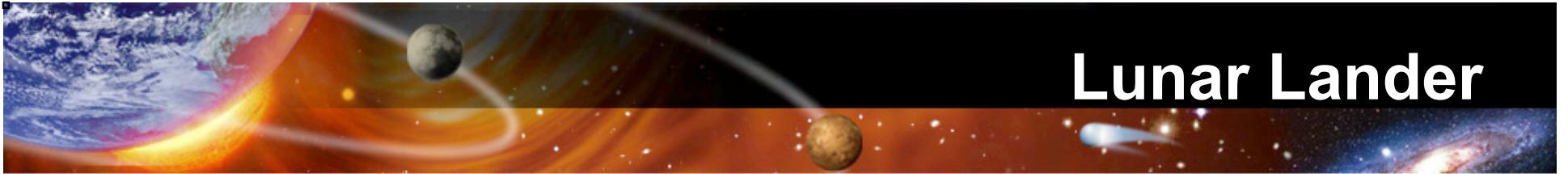




# Ares V

- Earth Departure Stage
- Earth Departure Stage J-2X Engine
- Core Stage
- Core Stage Reusable Solid Rocket Boosters
- RS-68 Engine (Cluster of five)
- Payload Fairing
- Avionics (Possible two acquisitions)





# Lunar Lander

Manage:

Pre-cursor Robotic System

- Lunar Lander Descent Stage and Lead Stage Propulsion System

Support:

- Lunar Lander Avionics, Life Support System, and Structure





# Lunar Surface Operations

- Life Support System
- Habitat System
- Structures
- In Site Resources





# Doing Business with the George C. Marshall Space Flight Center Web Site

Web Site Address: [http://ec.msfc.nasa.gov/  
msfc.doin\\_bus.html](http://ec.msfc.nasa.gov/msfc.doin_bus.html)

- The MSFC Office of Small Business Programs
- NASA Acquisition Internet Service
- Marketing Tools
- Special Programs
- Small Business Directories
- Marshall Prime Contractor Supplier Council

Marshall Small Business Alliance





## Establishment of Small Business Coordinators

- Serve as Program advocates
- Serve as liaisons to the Center Small Business Specialist
- Assess where and what procurement opportunities are likely to occur
- Receive and introduce small businesses researching and marketing potential opportunities





# MSFC Small Business Coordinators

<b>Code</b>	<b>Organization</b>	<b>Coordinator</b>	<b>Phone</b>	<b>Email</b>
AS20	Facilities Management	Tim Corn	256-544-9451	Tim.Corn@nasa.gov
CS01	Office of Strategic Analysis & Communications	Fred Harrington	256-544-1493	Fred.Harrington@nasa.gov
EM01	Materials & Processes Laboratory	John Vickers	256-544-3581	John.H.Vickers@nasa.gov
EO01	Mission Operations Laboratory	Dale McElyea	256-544-0372	Roger.D.McElyea@nasa.gov
ER01	Propulsion Systems Department	Sally Little	256-544-6137	Sally.Little@nasa.gov
ES01	Space Systems Department	Donna Hardage	256-544-2342	Donna.Hardage@nasa.gov
ET01	Test Laboratory	Karen McTaggart	256-544-6499	Karen.C.McTaggart@nasa.gov
EV01	Spacecraft & Vehicle Systems Department	Nick Devillo	256-544-5882	Stephen.D.Devillo@nasa.gov





## MSFC Small Business Coordinators (cont.)

<b>Code</b>	<b>Organization</b>	<b>Coordinator</b>	<b>Phone</b>	<b>Email</b>
HS01	Office of Human Capital	Cindy C. Campbell	256-544-0144	Cindy.Campbell@nasa.gov
JP20	First Stage	Janet Crawford	256-544-4345	Janet.T.Crawford@nasa.gov
JP30	Upper Stage	Jeff Mayo	256-544-4691	Jeff.Mayo@nasa.gov
JP50	Upper Stage Engine	Cathy Lapenta	256-544-5785	Catherine.C.Lapenta@nasa.gov
JP60	Flight & Integrated Test	Rajiv Doreswamy	256-544-7903	Rajiv.Doreswamy@nasa.gov
MP01	Shuttle Propulsion Office	John Pea	256-544-8437	John.M.Pea@nasa.gov
MP21	Space Shuttle Main Engine Project	Martin Carson	256-544-0106	Martin.F.Carson@nasa.gov
MP31	External Tank Project	William Ondocsin	256-544-6731	William.P.Ondocsin@nasa.gov





## MSFC Small Business Coordinators (cont.)

Code	Organization	Coordinator	Phone	Email
MP71	Propulsion Systems Engineering & Integration Office	Alan Murphy	256-544-6966	Alan.W.Murphey@nasa.gov
MP92	Reusable Solid Rocket Motor Project	Karen Fowler	256-544-3157	Karen.H.Fowler@nasa.gov
OS01	Office of Diversity & Equal Opportunity	Willie Love	256-544-0088	Willie.J.Love@nasa.gov
RS01	Office of the Chief Financial Officer	Tina Walker	256-544-7291	Tina.Walker@nasa.gov
VP30	Exploration & Space Operations Programs & Projects Office	Michael Fowler	256-544-4635	Michael.V.Fowler@nasa.gov
VP40	Robotic Lunar Exploration Program Project Office	Michael Fowler	256-544-4635	Michael.V.Fowler@nasa.gov



# The Huntsville Federal Government Marketplace

## AGENCY

## SMALL BUSINESS SPECIALIST

## PHONE

## EMAIL

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U. S. Army of Defense Missile Defense Agency	Mr. Lee Rosenberg	(703) 553-3400	lee.rosenberg@mda.mil
U. S. Army Strategic Missile Defense Command	Ms. Christina Ryan	(256) 955-3412	christina.ryan@smdc.army.mil





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