

Mississippi Space & Technology Center



Dave Hartley
Director, Propulsion Manufacturing Center

Mississippi Space & Technology Center

Propulsion Manufacturing Center

- Build-to-Print Manufacture and Test of Propulsion Sub-Systems
- Multi-Layer Insulation for Propulsion Sub-Systems and Satellites

Metrology Laboratory

- Space & Ground Solution Capabilities



Propulsion Sub-Systems



Multi-Layer Insulation
for Space Systems & Satellites



Metrology Laboratory
for Space & Ground Systems

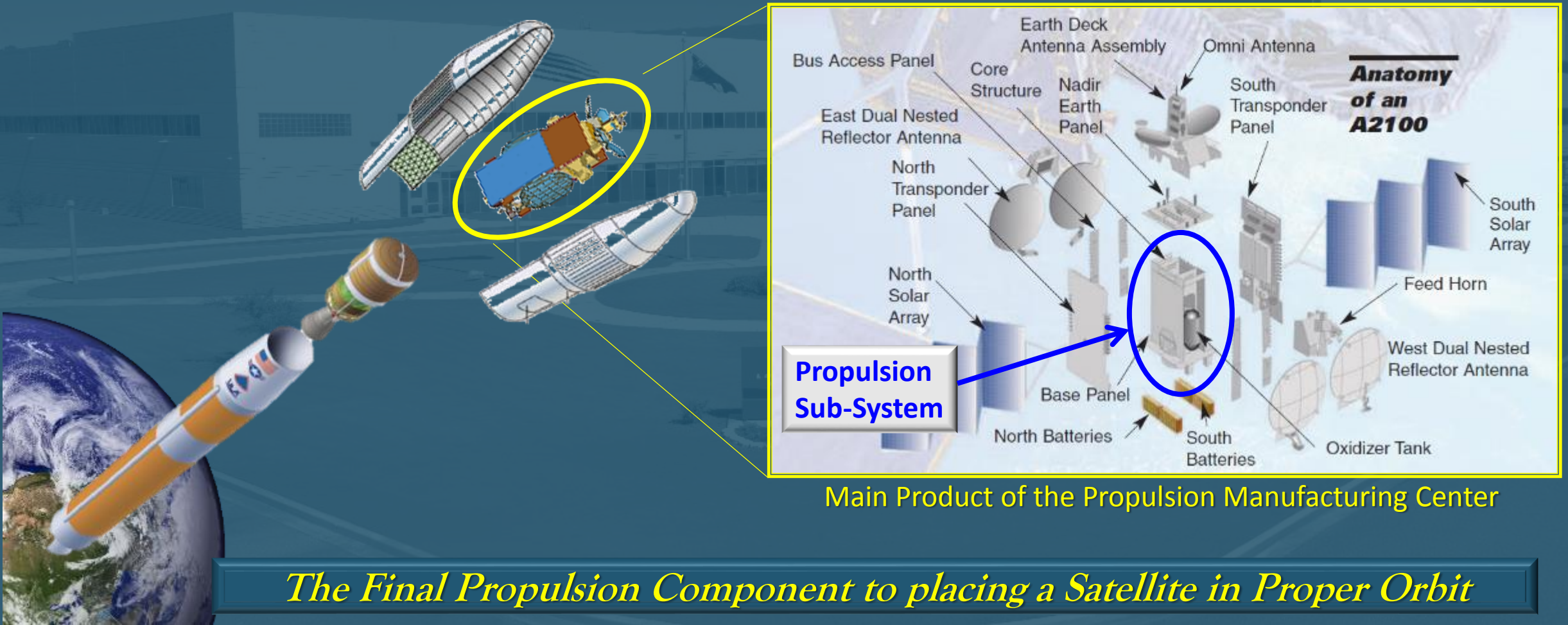
A Partnership – Founded in 2002

Ushering in a new era of high tech jobs on the Mississippi Gulf Coast

Mississippi Space & Technology Center

Propulsion Manufacturing Center

- Build-to-Print Manufacture and Test of Propulsion Sub-Systems



The Final Propulsion Component to placing a Satellite in Proper Orbit

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- ➔ • Multi-Layer Insulation for Propulsion Sub-Systems and Satellites



Protecting Hardware & Systems from the harsh environment of Space

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Stennis Metrology Laboratory



Physical / Dimensional and
Primary Standard Capabilities in:

- Force
- Vacuum
- Pressure
- Thermodynamics
- Dimensional
- Torque
- Temperature
- Resistance
- General Electronics

On Site Metrology Laboratory with Space & Ground Solution Capabilities

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Propulsion Manufacturing Center

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- Multi-Layer Insulation for Propulsion Sub-Systems and Satellites

Capacity

- Over 220,000 square-foot Manufacturing & Office Space
- 12 Heritage or 18 TR Propulsion Sub-Systems/Year
- 2500+ Thermal Blankets/Year

Production Capabilities

- 53,000 ft² High Bay Clean Rooms - Class 6, 7 & 8
- Automated Tube Bending and Inspection
- Aqueous Flow and Ultrasonic Precision Cleaning
- Automated Thermal Blanket Projection and Cutting

Test Capability

- Large Structure X-Ray Inspection
- High Pressure Test Facility



Mississippi Space & Technology Center

Manufacturing Innovation & Process Affordability

Competitive Cost Structure

100% Operational Excellence

100% Mission Success



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Mississippi Governor Phil Bryant and
Stennis Space Center Director Dr. Richard Gilbrech
at the Propulsion Manufacturing Center

Strong Collaboration with Lockheed Martin, Mississippi and NASA

Mississippi Space & Technology Center

STENNIS PROPULSION MANUFACTURING CENTER EXPERIENCE



AMC
10, 11, 14
15, 16, 18



JCSAT
9, 10, 11
12, 13



BSAT
3A, 3B, 3C



ECHO-X



SIRIUS-4



ASTRA
1KR, 1L



VINASAT
1, 2



P909
PAN
CLIO



GEOEYE-2



MUOS
1, 2, 3, 4, 5



DMSP-19



AEHF
1, 2, 3, 4, 5, 6



SBIRS
1, 2, 3, 4



GPSIII
1, 2, 3, 4, 5, 6



GOES-R
GOES-S, GOES-T



FALCON
1, 2



TARGETS (4)
MBRV (5)



ORION
EFT-1, EM-1



HELLAS-SAT

63 Completed Propulsion Systems in 14½ Years

Mississippi Space & Technology Center



Thank You!



Doing Business with Lockheed Martin

Supplier Partnerships are Essential for Achieving Mission Success

At Lockheed Martin, we achieve Mission Success by meeting all of our commitments to our customers and attaining total customer satisfaction. Suppliers are a big part of that strategy.

How to Become a Lockheed Martin Supplier

Lockheed Martin needs suppliers who can help us deliver a product better, faster and smarter. Working with our category management teams in a long-term business environment will strengthen our supply chain and the integrity of the components of our products.

To be successful, review the Lockheed Martin products and services **What We Buy listing.**

Knowing what we produce, purchase and areas of immediate need will help you evaluate your opportunities and prepare information on your capabilities targeted to our requirements.

<http://www.lockheedmartin.com/us/suppliers/opportunity-knocks.html>

Doing Business with Lockheed Martin

How to do business with Lockheed Martin

1. Register in the Lockheed Martin corporate supplier database.

<http://www.myexostar.com/General-Registration/>

Select LM P2P Unsolicited Registration Request to access the registration form.

2. Send an e-mail containing a brief description of your firm's capabilities, business size and status to **supplier.communications@lmco.com**, along with your company information

<http://www.lockheedmartin.com/us/suppliers/doingbusiness.html>

Do not send proprietary, export controlled, confidential or classified information