



SMDC/ARSTRAT:

Contributing to Army Space and Missile Defense

Dr. Steven Messervy
Deputy to the Commander for Research,
Development and Acquisition



*U.S. Army Space and Missile Defense Command/
Army Forces Strategic Command*



SMDC/ARSTRAT

- Soldiers deployed around the world
- 24/7 signal support to combatant commanders
- Friendly Force Tracking
- Commercial Exploitation Teams
- Space Support Teams Supporting OIF/OEF



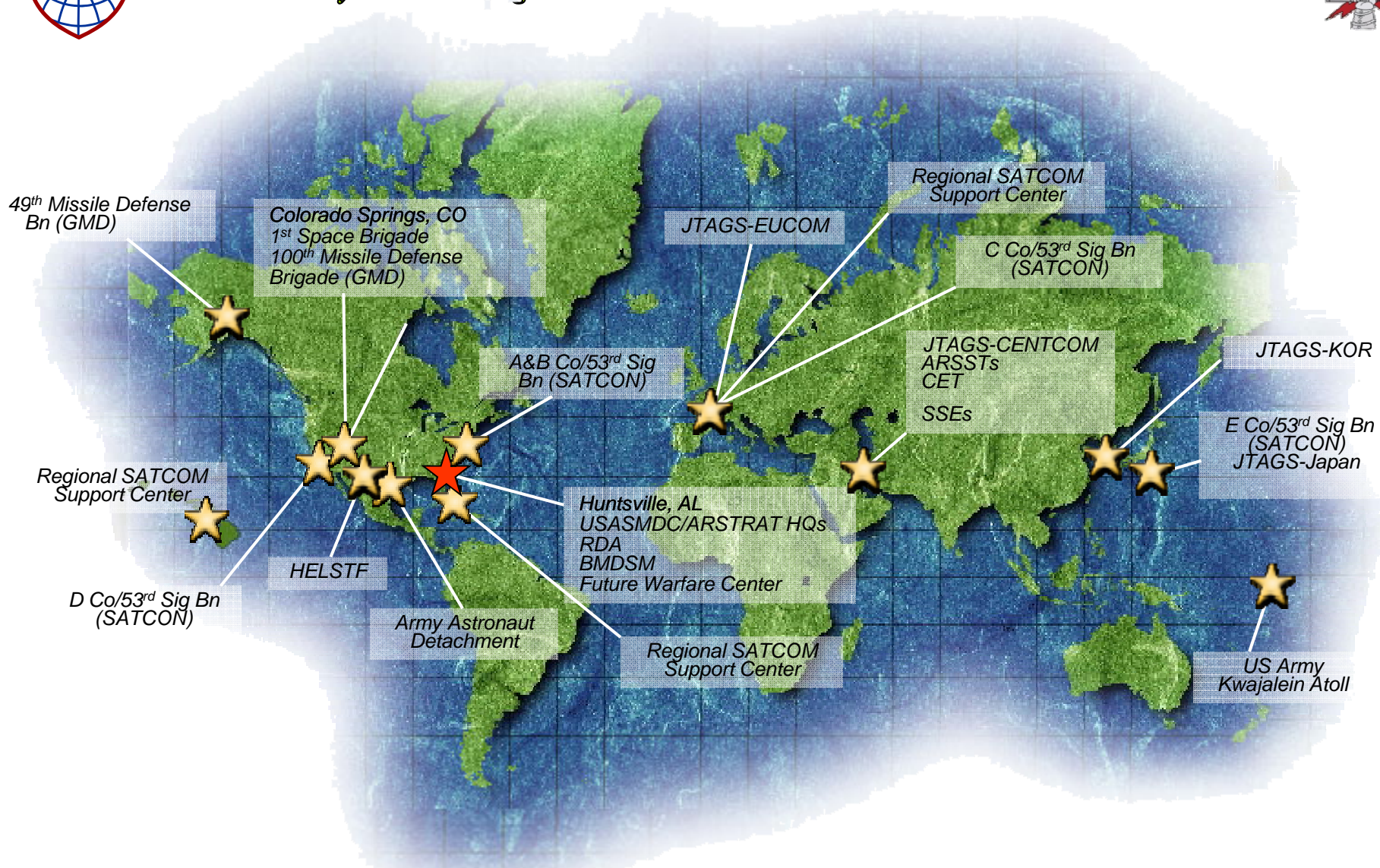
Secure the High Ground!



DETERMINATION • COURAGE • ABILITY
ARMY STRONG



*U.S. Army Space and Missile Defense Command/
Army Forces Strategic Command*



SMDC/ARSTRAT - A Global Command



*U.S. Army Space and Missile Defense Command/
Army Forces Strategic Command*



**Department of
the Army**

**United States
Strategic Command**



**FLEET FORCES
COMMAND**



SMDC/ARSTRAT



**AIR FORCE
SPACE COMMAND**



**MARINE FORCES
STRATEGIC COMMAND**

Secure the High Ground!



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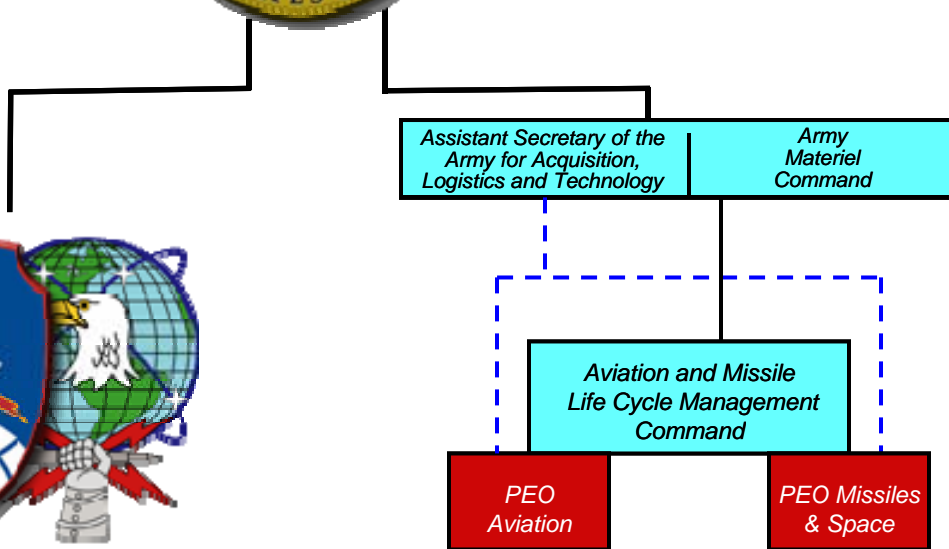


*U.S. Army Space and Missile Defense Command/
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**Department
of the Army**

Department of Defense



MDA

SMDC/ARSTRAT

Secure the High Ground!



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Vision

- *Provide space and missile defense capabilities for the Army and plan for and integrate those capabilities in support of the Warfighter*

Mission

- Conduct space and missile defense operations
- Provide planning, integration, control and coordination of Army forces and capabilities in support of the Warfighter
- Proponent for space, high altitude and ground-based midcourse defense
- Army operational integrator for global missile defense
- Conduct mission-related research and development in support of Army Title X responsibilities

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Commanding General



Deputy
Commanding General
- Operations

Director
Future Warfare Center

Deputy to the Commander
for Research, Development
and Acquisition

Operational Forces

- 1st Space Brigade
- 100th Missile Defense Brigade (GMD)
- Ballistic Missile Defense Systems Manager
- Astronaut Detachment
- Space Personnel Proponency Office

Innovative *DOTMLPF Integration

- Battle Lab
- Directorate of Combat Development
- Division Support Directorate

Research, Development and Acquisition Efforts

- Technical Center
- Technical Interoperability & Matrix Center
- Contracting and Acquisition

*Doctrine, Organization, Training, Materiel, Leadership ,Personnel and Facilities

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Army Space Priorities



- **Enhanced SATCOM**
- **Theater Missile Warning**
- **Persistent Surveillance**
- **Position, velocity, navigation, timing services**
- **Weather, terrain and environmental monitoring**

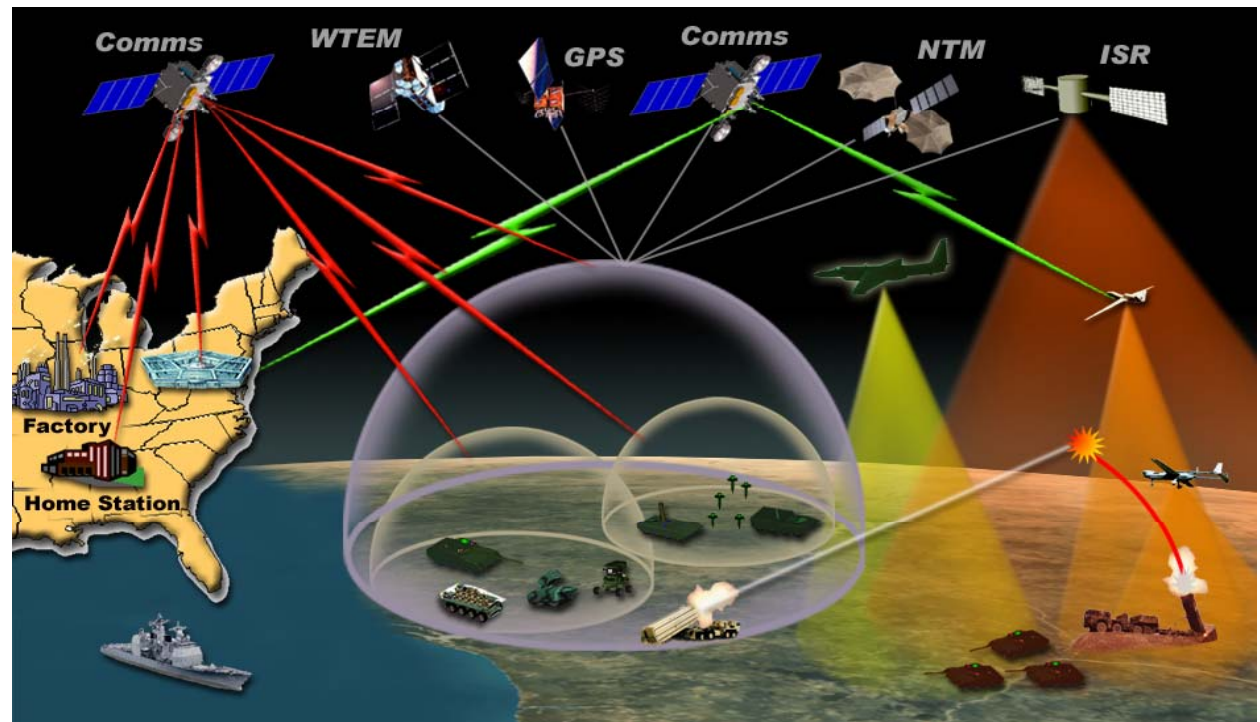
Secure the High Ground!





What is Space doing for our Warfighters?

- Increased Communications
- Assured, Timely Missile Warning
- Enhanced Situational Awareness
- Better Weather Forecasting
- Higher Fidelity Targeting and BDA
- Expanded Ability to Cover Large Area with Fewer Forces



Secure the High Ground!

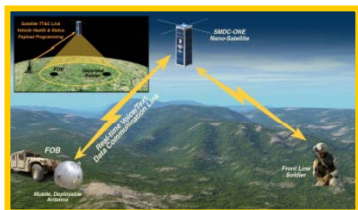




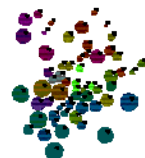
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From Concept to Combat...



Experimentation
& Analysis



Technology
Development



Warfighter
Needs

Concept
Development

Operational
Requirements

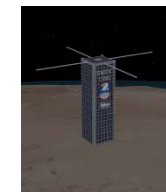
Fielding &
Operations



Science &
Technology



Test &
Evaluation



Operational
Brigades

Future
Warfare
Center

Tech Center

TIMC

Operational
Brigades



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SMDC/ARSTRAT Technology Thrust Areas

SENSORS

BMDS Next Generation Radar
All-Digital Radar (ADR)
Force Encampment Protection
System (FEPS)

INTERCEPTORS

Interceptors
Cruise Missile Interceptor

SPACE

Tactically Responsive Space
High Altitude Long Loiter
Space Battlefield Integration

Directed Energy

High Energy Laser
High Power Microwave and
Pulsed Power

Secure the High Ground!



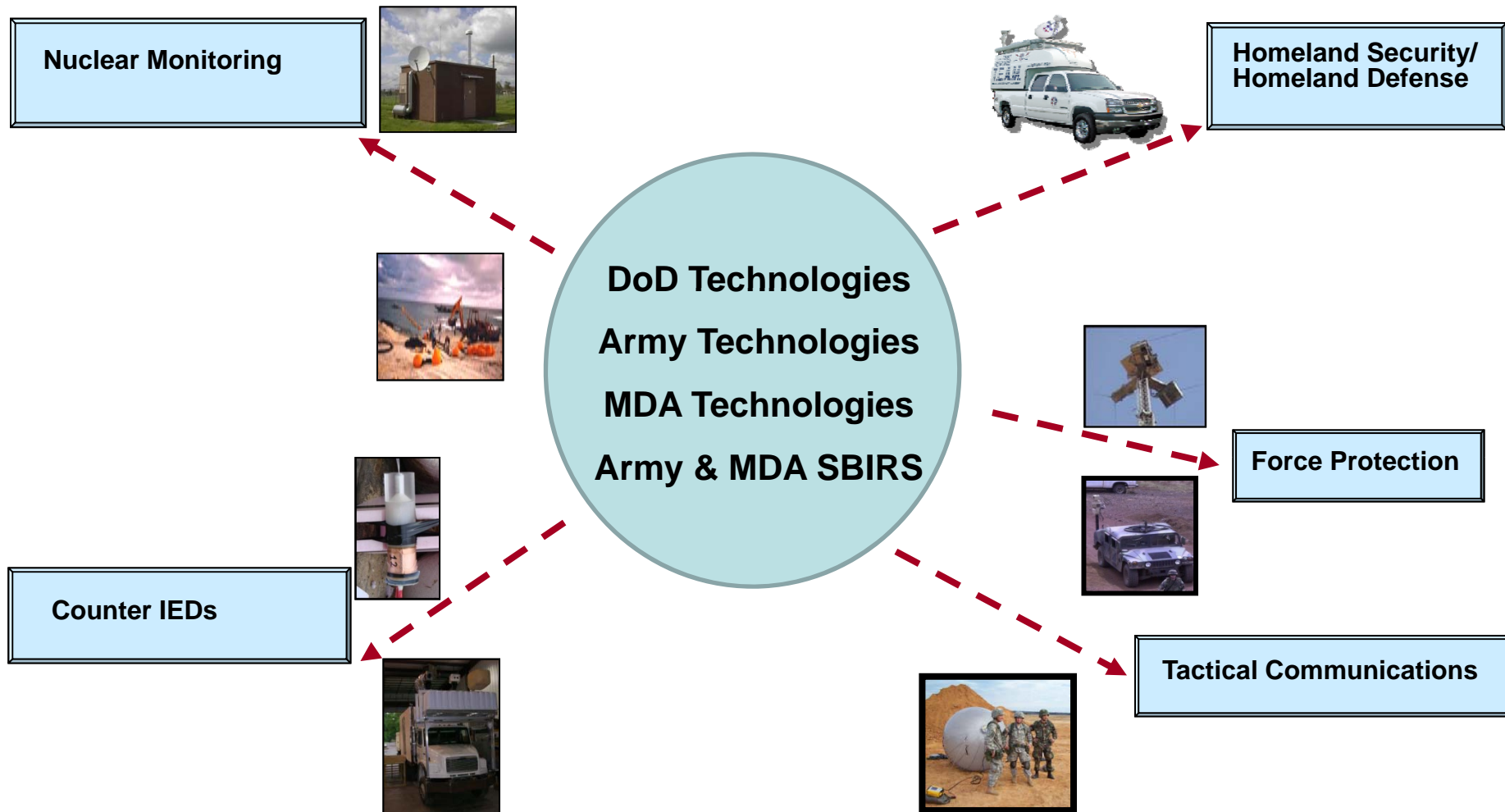
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Supporting the Current Fight



Technology Spin Outs Providing Solutions for Today's Warfighter

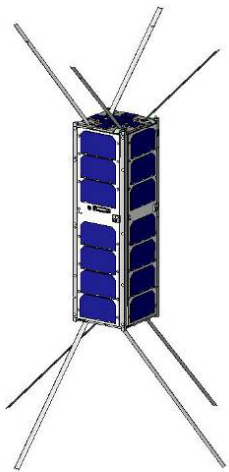
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DISSEMINATION * PARTNERSHIP * ARMY CIVILIAN
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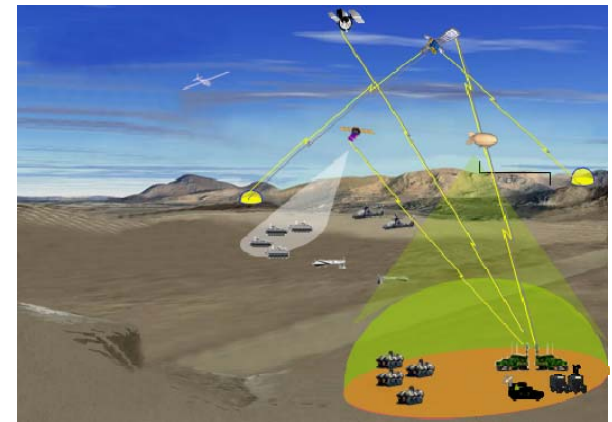
SMDC...Looking to the Future



Nano-satellite



High Altitude

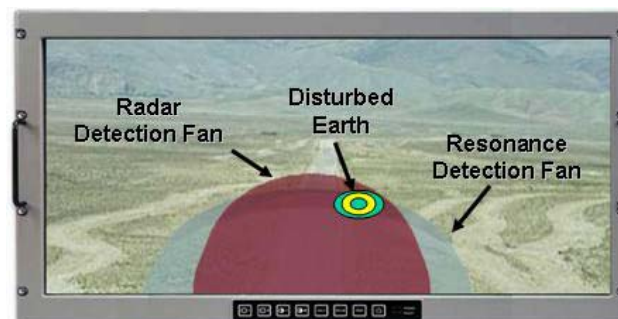


Operationally Responsive
Space

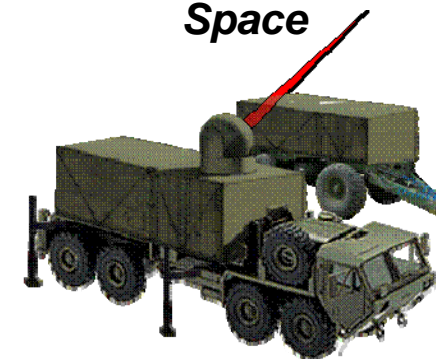


Overwatch

Secure the High Ground!



Orthogonal Sensor Fusion System
(Orthon-SFS)



Counter-Rocket,
Artillery
And Mortar



WILSON • PAMETON • ARMY CIVILIAN
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Commitment to Small Business

SMDC enjoys a strong relationship with small business

- 171 Small Business Contracts awarded from 2006 to present
- Value – \$1,575,638,046

