



U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND AVIATION & MISSILE CENTER

Overview Brief with Comments on Fuzing

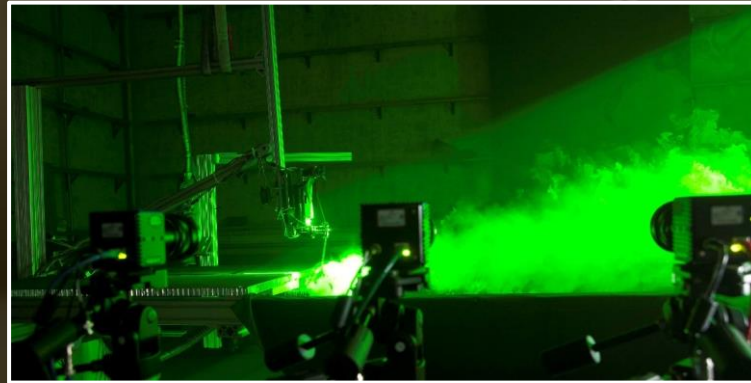
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OUR MISSION



Develop, integrate, demonstrate, and sustain aviation and missile systems capabilities to support modernization priorities and improve readiness.

OUR LEADERSHIP TEAM



Director
Dr. James Kirsch
(SES)



Chief of Staff
Mr. Steve Fisher



MILDEP
COL Shannon
Thompson



**Systems
Readiness
Directorate**
Mr. Keith Darrow
(SES)



**Software, Simulation,
Systems Engineering
and Integration
Directorate**
Dr. Stephanie Reitmeier
(SES)



**Technology
Development
Directorate**
Ms. Christi Dolbeer
(SES)

Scientific & Technical Positions (STs)



**Radio Frequency
Sensors**
Dr. Brian Smith



**Protective
Technologies**
Dr. Donna Joyce



**Airvehicle
Aerodynamics &
Preliminary Design**
Dr. Mahendra Bhagwat



**Rotorcraft Flight
Dynamics and Control**
Dr. Jeffery Lusardi

BY THE NUMBERS



11,839
FY23 Strength



3,173
Civilian

18
Military

8,648
Contractor

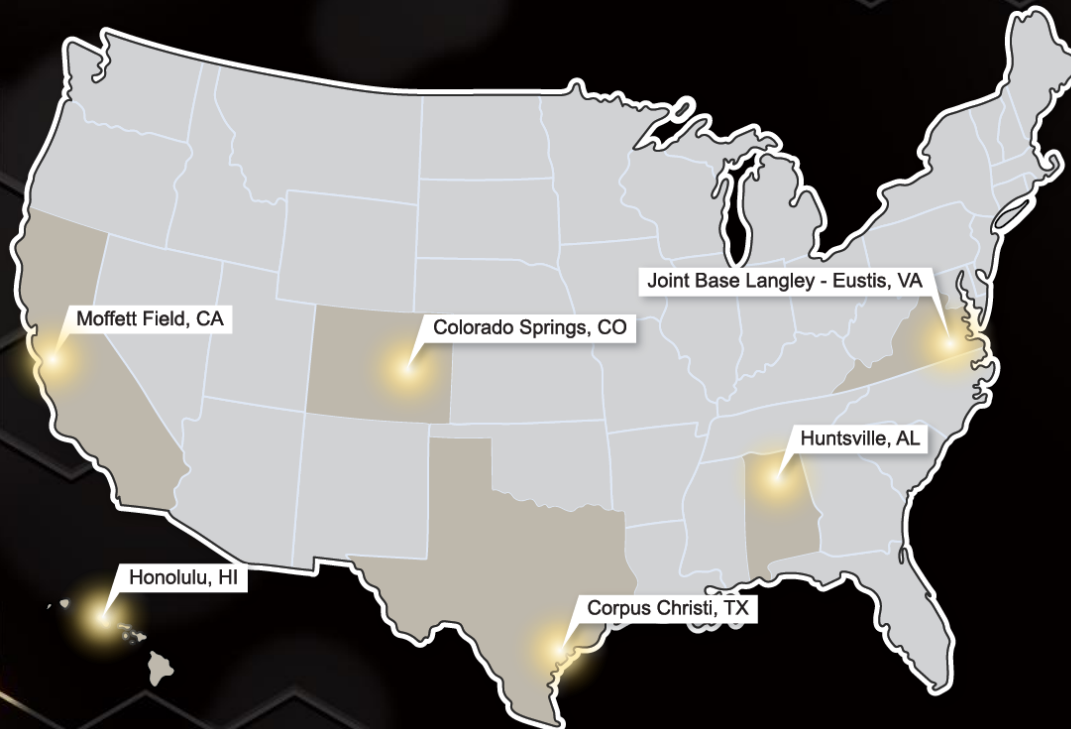
FY23 Funding
\$5.4B

5%
Aviation S&T

7%
Missile S&T

62%
Army

26%
Other



CORE COMPETENCIES

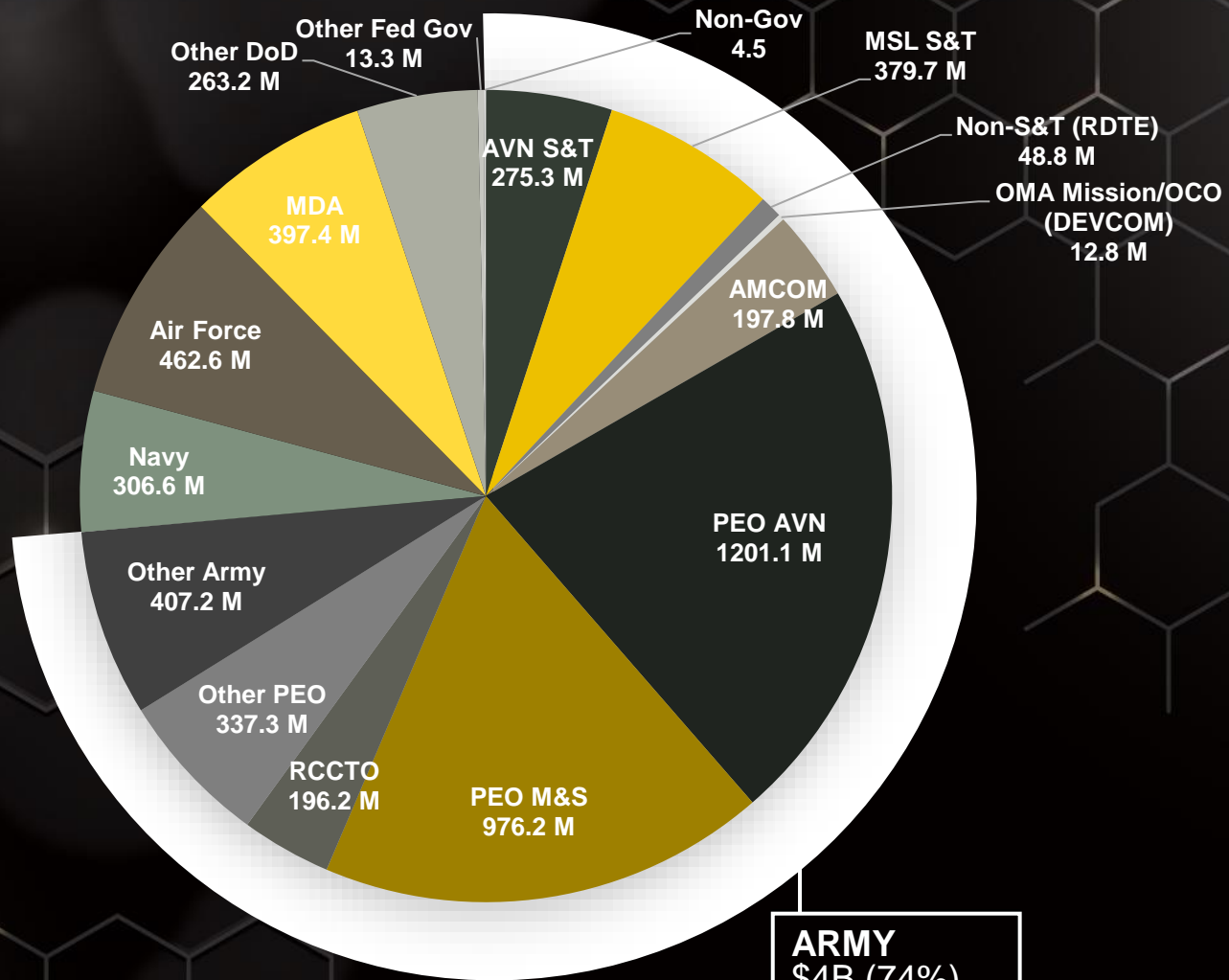
SCIENCE AND TECHNOLOGY:

- Aviation Platforms & Air Mobility
- Aviation Autonomy, Teaming, Avionics & Survivability
- Missile Seekers, Guidance, Navigation & Control
- Missile Materials & Structures
- Missile Propulsion, Warhead Integration & Fuzing
- Air Defense Radar & Fire Control

LIFE CYCLE ENGINEERING:

- Airworthiness
- Product Performance
- Modeling and Simulation
- Multidiscipline Acquisition and Project Engineering
- Prototype Design and Development
- Software Engineering
- Systems Engineering, Integration, and Interoperability
- Weapons Assurance

FY23 TOTAL REVENUE (\$5.4B)



ARMY
\$4B (74%)

As of: 12 DEC 2023

AvMC TECHNOLOGY

EXPERTISE • ENGINEERING • TALENT



01

PEOPLE

We will focus on taking care of our current workforce, as well as recruiting and developing the talent needed to build the Army of the future.



02

TRANSFORMATION & READINESS

We will continue to pursue S&T investments that provide the cutting-edge technologies needed for decision dominance and overmatch in the multi-domain Army of the future.



03

COLLABORATION

We will continue to provide world class functional and sustainment engineering expertise to our PEOs, MDA, RCCTO, AMCOM and other critical partners to ensure the Army maintains its warfighting advantage now and, in the future, as well as seek new partnerships to drive the innovation needed for the Army's readiness, modernization and transformation efforts

ARMY PRIORITIES



1. PEOPLE

People are the Army's greatest strength and its most important weapon system.



2. READINESS

The Army must be ready to defeat any adversary, anywhere, whenever called upon, under any condition.



3. MODERNIZATION

The Army must modernize to remain lethal and ready to fight tomorrow, against increasingly capable adversaries and near-peer competitors.



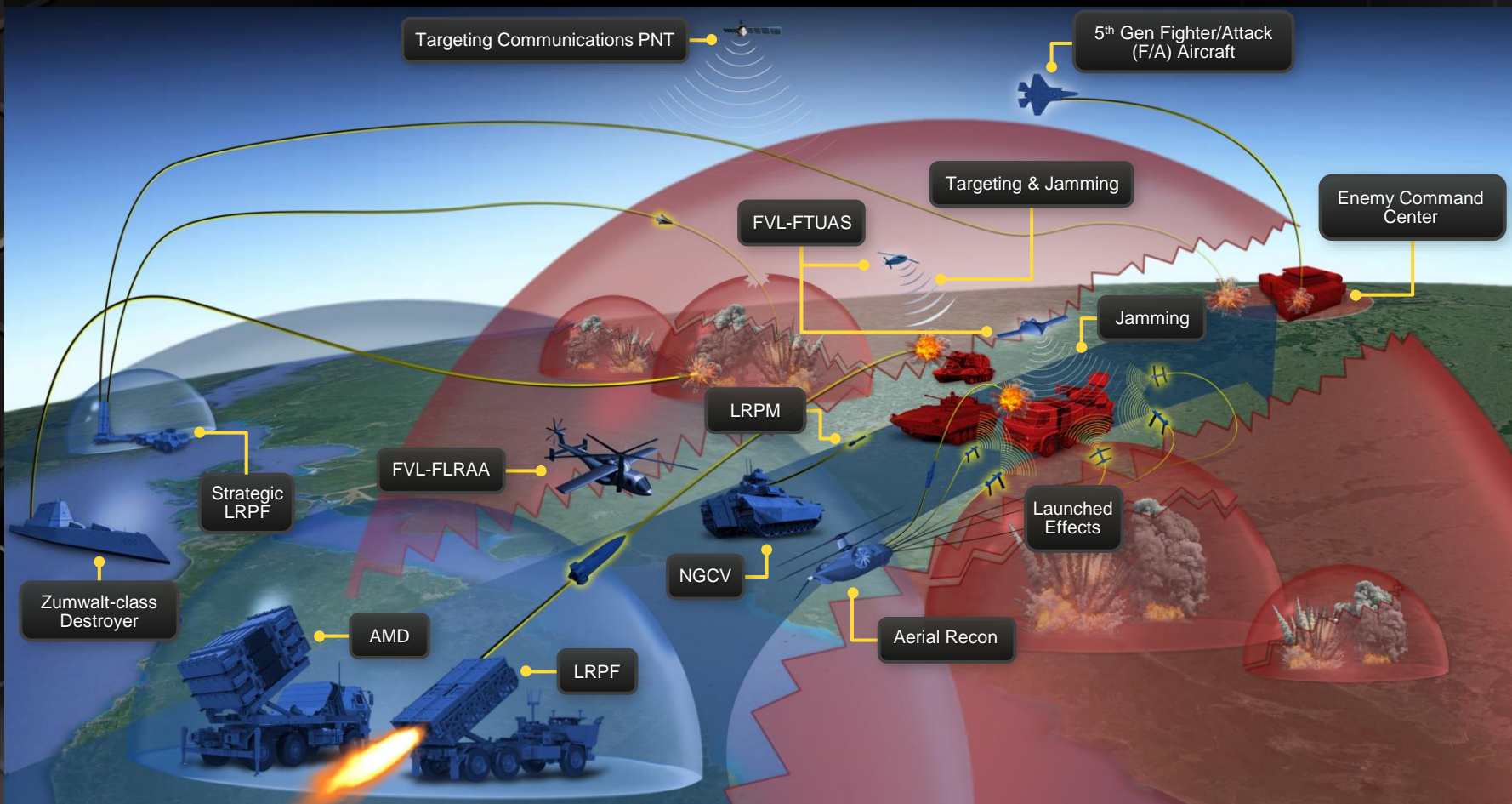
S&T STRATEGY



**BREAK THE
ENEMY'S BUBBLE**

PROTECT OUR FORCE

ON THE MOVE



**ELIMINATE A2/AD
AT ALL ECHELONS**

**REACH, RANGE,
AND SPEED**

**AGILE MANEUVER
TO CONTACT**

AVIATION S&T ALIGNMENT TO ARMY MODERNIZATION PRIORITIES



BREAK THE BUBBLE

PROTECT THE FORCE

ON THE MOVE



FUTURE VERTICAL LIFT (FVL) MODERNIZATION LINES OF EFFORT



FUTURE LONG RANGE ASSAULT AIRCRAFT (FLRAA)

PM FLRAA

- Power & Thermal Management
- FVL Medical
- Next Generation Rotorcraft Transmission

FUTURE UNMANNED AIRCRAFT SYSTEMS (FUAS)

PM UAS

- Launched Effects (*LE*)
- Multi-Role Small Guided Missile (*MRSGM*)
- High Speed Maneuverable Missile (*HSM*)
- Unmanned Aerial System Survivability

MODULAR OPEN SYSTEMS APPROACH (MOSA)

PM AMSA / PM ASE

- Advanced Teaming
- Integrated Mission Equipment (*IME*)
- Holistic Situational Awareness and Decision Making (*HSA-DM*)
- Full-Spectrum Targeting
- Convergence Battlefield Integration



MISSILE S&T ALIGNMENT TO ARMY MODERNIZATION PRIORITIES



BREAK THE BUBBLE

PROTECT THE FORCE

ON THE MOVE

ARMY MODERNIZATION PRIORITIES



Program Executive Office – Missiles & Space

FIRE SUPPORT CAPABILITY AREA LONG RANGE PRECISION FIRES

- Strategic and Operational Rockets and Missiles (*STORM*)

AIR DEFENSE CAPABILITY AREA AIR & MISSILE DEFENSE

- Short and Intermediate Effectors for Layered Defense (*SHIELD*)
- Search, Track, Acquire, Radiate, and Eliminate (*STARE*)
- Integrated Fires Mission Command (*IFMC*)



CLOSE COMBAT CAPABILITY AREA NEXT GENERATION COMBAT VEHICLE

- Tactical Aviation and Ground Munitions (*TAGM*)



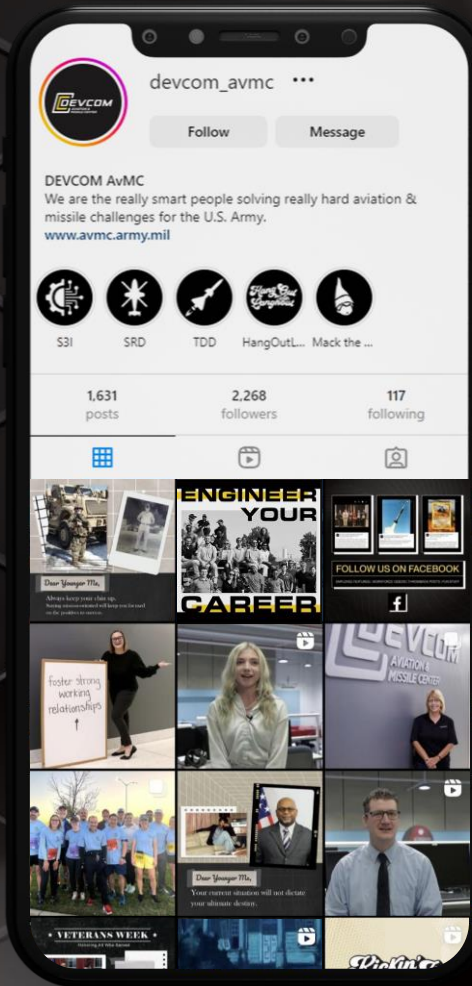
CLOSE COMBAT CAPABILITY AREA FUTURE VERTICAL LIFT

- Tactical Aviation and Ground Munitions (*TAGM*)



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Aviation Center of Excellence
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BACKUP

WHERE WE FIT IN



WHERE WE FIT IN

WHO WE SUPPORT

