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AMRDEC Fuze S&T Overview

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U.S. Army Aviation and Missile Research, Development, and Engineering Center

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Aviation and Missile Research, Development, and Engineering Center

Other

\$642M

Our Mission

Deliver collaborative and innovative technical capabilities for responsive and cost-effective research, product development and life-cycle systems engineering solutions.

What We Manage

- FY15 Projected Funding > \$2.6B
- Over 3.0M square feet in RDTE space
- 260 Facilities Redstone and Offsite
- Additional unique test facilities and wind tunnels across the US



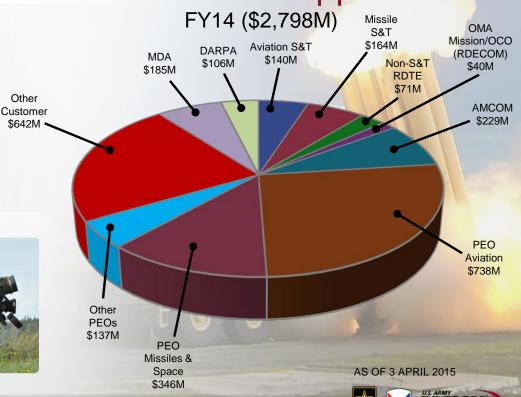




What We Do

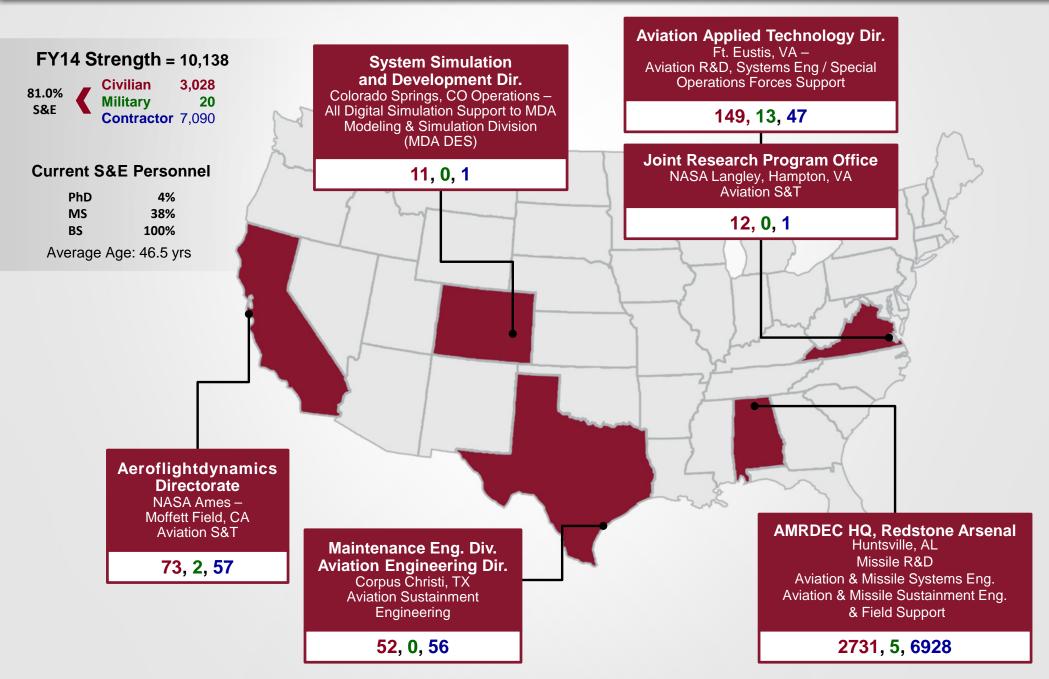
- Basic and Applied Research
- Technology Development
- Future Systems Development
- Fielded Systems Support
- Rapid Prototyping
- Obsolescence Management
- Technology Refresh

Who We Support





AMRDEC Personnel & Locations





AMRDEC's Role in the Army Enterprise





AMRDEC Missile Technology Areas





AMRDEC Missile S&T Capability Areas

PROTECTION

Protect the force and selected geopolitical assets from aerial attack, missile attack and surveillance

- Air Defense
- Area Protection
- Platform Protection

GROUND TACTICAL (CLOSE COMBAT)

Direct fire weapons, supported by indirect fire, air-delivered fires, and nonlethal engagement means to decide the outcome of battles and engagements

FIRE SUPPORT

Destroy, neutralize, or suppress the enemy by cannon, rocket, and missile fire and to help integrate fire support assets into combined arms operations

AVIATION WEAPONS

Find, fix, and destroy the enemy through fire and maneuver; and to provide combat, combat service and combat service support in coordinated operations as an integral member of the combined arms team

PROGRAM ANALYSIS & EVALUATION

- AMRDEC PA&E Teams further the viability and effectiveness of missile science and technology efforts through the timely and coordinated study, synthesis, and evaluation of systems and technologies, both current and future
- Champion for Pervasive S&T





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System Overviews & Goals

Protection









MID-TERM SYSTEMS (FY20-29)





FAR-TERM SYSTEMS (FY30+)





Protection Capability Area Portfolio – Balancing Near-term Requirements With Future Vision And Innovation



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System Overviews & Goals

Fire Support





KEY TECHNOLOGIES

- Tail Control Actuation
- Extended Range Composite Motor w/Blast Tube
- Aerodynamic Airframe Optimization
- Possible Test-bed for Future Technologies/Capabilities

MID-TERM SYSTEMS (FY20-29)



FAR-TERM SYSTEMS (FY30+)









System Overviews & Goals **Ground Tactical Capability Area**



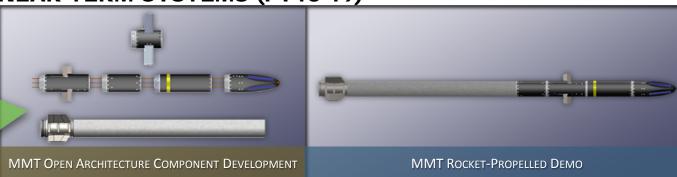
SINGLE MULTI-MISSION ATTACK MUNITION (SMAM)

NEXT GEN PRECISION SLM

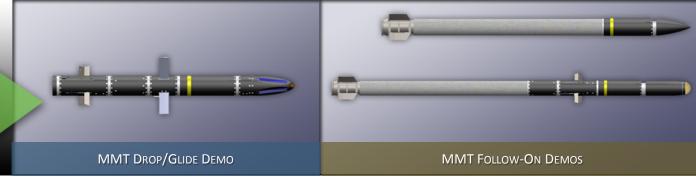


System Overviews & Goals Aviation Capability Area

NEAR-TERM SYSTEMS (FY15-19)



MID-TERM SYSTEMS (FY20-29)



FAR-TERM SYSTEMS (FY30+)



Aviation Missiles Capability Area Portfolio – Open Architecture Missile Solutions For Multiple Platforms

