

Armament Designer's Dilemma

"Shaping the Armament Enterprise to Meet Evolving Global Requirements"

Mr. John F. Hedderich III, SES Director, RDECOM ARDEC, Picatinny Arsenal, NJ

UNPARALLELED COMMITMENT & SOLUTIONS





U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER

Act like someone's life depends on what we do.





RDECOM MISSION & VISION



MISSION

To ensure decisive capabilities for unified land operations to empower the Army, the joint warfighter, and our Nation.

<u>VISION</u>

The preeminent world leader in research, development, and engineering.







ARDEC LEADERSHIP





Mr. Richard Fong

Senior Research Scientist for Computational Structural Modeling



Senior Research Scientist for Insensitive Munitions



Director

Wr. John Hedderich

Executive Director,
Munitions Engineering
Technology Center

Mr. Joseph Brescia (Acting)

- Munitions Systems & Technology
- Fuze & Precision Armaments
 Technology
- Explosive Ordnance Disposal Technology
- Energetics, Warheads & Manufacturing Technology

Executive Director, Enterprise & System Integration Center



- Office of the Director of Technology
- Quality Engineering & System Assurance
- Logistics Research & Engineering
- Financial Management
- Joint Service Small Arms
 Program
- Project Management & Integration
- Systems Engineering
- Warfighter Central
- Knowledge ManagementBusiness Interface Office
- Army Fuze Management



- Weapon Systems & Technology
- Benét Laboratories
- Tactical Effects, Protection & Interactive Technologies

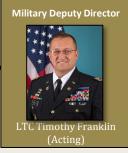
Executive Director,

Weapons & Software

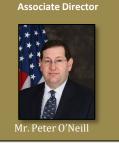
Engineering Center

Mr. David Castellano

- Business Transformation and E-Systems
- Armament Software Engineering Center











ARDEC VISION & INTENT



VISION

ARDEC, centered at Picatinny Arsenal, is a critical national asset that is vital to National Security and is unfettered in its ability to deliver products and provide world class facilities and services.

INTENT

Unparalleled commitment and solutions - Act like someone's life depends on what we do.







FULL SPECTRUM THREATS



Continuum of Conflict



PROBABILITY

How do you get there ..?





SPECTRUM OF THREAT





Dismounted Troops

Unmanned System

IED

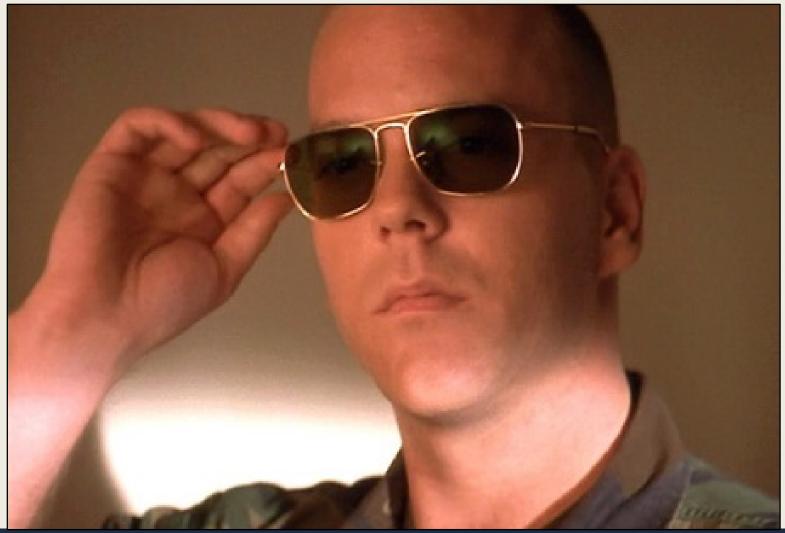
Platform "add-on" or Design to Overmatch?





PLATFORMS GET US THERE



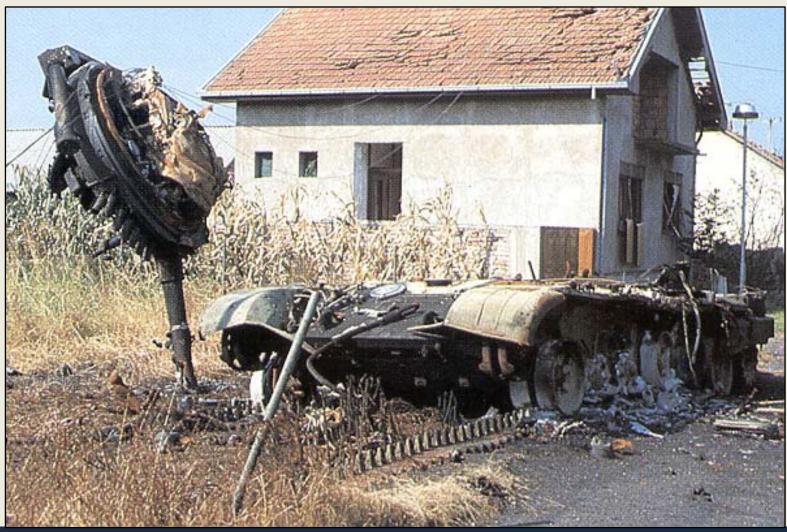


I LIKE YOU PLATFORM GUYS. EVERYTIME WE'VE GOTTA GO SOMEPLACE TO FIGHT, YOU ALWAYS GIVE US A RIDE

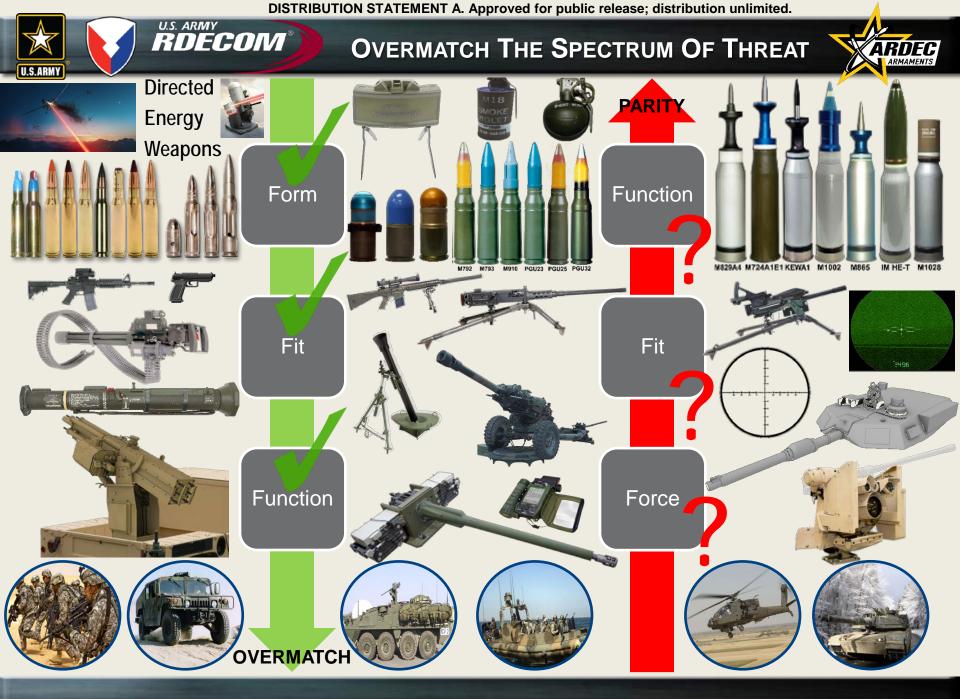








ARMAMENTS WIN THE FIGHT







MY OPINION



- Forums Are Great!
- Avoid optimizing Armament Systems as add-ons to predetermined platforms
- The Armament System Enterprise must refocus and further invest in developing/innovating solutions that <u>Overmatch</u> the threat.

ALWAYS A STEP AHEAD!

