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Keeping the Army on the Cutting Edge of Technology
The Challenge

Persistent Conflict
Adaptable Enemy
The Challenge

Industrial Age Meets Information Age
### Advanced Concepting
- Future Force
- JLTV
- MRAP
- FTTS

### Analytics
- Thermal / CFD
- Crew Safety
- Structures/Durability
- Blast
- Dynamics

### Hardware & Man-In-The-Loop Simulation
- Characterization
- Durability
- Turret Testing
- Human Dimension
- Virtual Environments

### FTTS
- FED
- Autonomous Platform Demonstrator (APD)

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A scientific base on which to engineer tomorrow’s technologies

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**TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.**
Organizing to Support the Warfighter

• Enterprise process applied to all RDECOM efforts for all timeframes (rapid, near, mid, and far term).

• System of Systems Engineering approach aligned to ARFORGEN
  – Task organized execution

• Common Operating Picture (COP) for RDECOM mission space:
  – **Primary Interface to:** TRADOC, LCMCs, PEOs, COCOMs, Army Leadership
  – **Capability Needs:** System Integration Domains (SIDs)
  – **Technology Needs:** Technology Focus Teams (TFTs)
RDECOM working with ASAALT, DA-G3, and TRADOC to enhance Collaboration in R&D in support of Army’s Priorities: OIF/OEF, GCV, BCT Modernization:

- Rapid Acquisition / Rapid Equipping / R&D Collaboration
  - Community of Interest are working together along several lines of effort to achieve the goal of R&D Collaboration
  - LOEs include Policy, COP tool, Governance

- R&D Collaboration ME Operations
  - ME Collaboration Council
  - Warfighter Needs Working Group Council of Colonels
  - Common Operating Picture (COP) Working Group
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