ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

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4 November 2015
ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

The U.S. Army Research, Development and Engineering Command (RDECOM)

Mr. Jyuji Hewitt
Executive Deputy to the Commanding General
4 November 2015

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STRATEGIC PRIORITIES

Research - Drive the national S&T agenda through leadership & collaboration

Technology Development - Develop and execute cutting edge technology for current and projected environments

Engineering - Core competencies & facilities support every aspect of the Army’s Materiel Life Cycle process
  • Serve as the corporate technical knowledge repository for programs of record
  • Systems engineering
  • Life cycle engineering
  • Prototyping

Command Initiatives - Use an integrated approach drawing on our wide range of core technical competencies to deliver revolutionary capabilities to the Army

Core Competency Areas:
  • Fundamental Research
  • Aviation Systems Technologies
  • Weapons and Munitions Technologies
  • Chemical and Biological Technologies
  • Ground Systems Technologies
  • Communications and Electronics Technologies
  • Missile and Rocket Technologies
  • Soldier Technologies

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ABERDEEN PROVING GROUND ADVANCED PLANNING BRIEFING TO INDUSTRY

The U.S. Army Research, Development and Engineering Command (RDECOM)

Ms. Kendra Meggett-Carr
Technology Transfer Program Manager
4 November 2015

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TECHNOLOGY TRANSFER ACROSS THE COMMAND

- RDECOM Master Cooperative Research and Development Agreements (CRADA)
- Patent License Agreements (PLA)
- Technology Support Agreement (TSA)
- Materiel Transfer Agreements (MTA)
- Small Business Technology Transfer (STTR)
- Army Manufacturing Technology (ManTech)
- Small Business Innovation Research (SBIR)
- Open Campus – ARL
- Contract Opportunities – across RDEC/Labs

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ARMY MANUFACTURING TECHNOLOGY (MANTECH) PROGRAM

Mission: Supports reduction in production risks and manufacturing costs throughout the weapons system life cycle

Budget: $48.4M (FY16 President’s Budget)

Program Management: DASA(R&T) provides oversight; RDECOM manages the program with execution performed by the S&T organizations and Acquisition Program Managers

Investment Portfolio Areas:
- Ground Maneuver
- Air
- Lethality
- Soldier/Squad
- Command, Control, Communications and Intelligence
- Innovation Enablers

Proposal Process: FY18 proposals to be submitted by Army S&T and Acquisition programs to the Army ManTech Office Jan-March 2016

Contact: www.armymantech.com

GOOD NEWS STORIES

Ground Vehicle Protection - Reduction of combat vehicle design-to-production time and cost to manufacture

Body Armor and Helmets:
- Increased ballistic protection by over 30%
- 30-50% reduction in touch labor
- 15-20% weight reduction
- Cost avoidance is estimated $83M

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ARMY SMALL BUSINESS INNOVATION RESEARCH (SBIR) PROGRAM

Mission: Provide small businesses the opportunity to provide innovative research and development solutions in response to critical Army needs.

Budget: $160M (FY14)

Program Management: DASA(R&T) provides oversight; RDECOM manages the program with execution performed by the S&T organizations and Acquisition Program Managers

Investment Portfolio Areas:
- Ground Maneuver
- Air
- Lethality
- Soldier/Squad
- Command, Control, Communications and Intelligence
- Innovation Enablers


Contact: www.armysbir.army.mil/
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KEY TAKE AWAY: COLLABORATIVE APPROACH

RDECOM:

- Has a world-class workforce of scientists, engineers and skilled technicians from both government and private industry
- Ensures workforce synergy across RDECs and labs
- Provides decisive overmatch for the Nation's Joint Warfighters.
- Is committed to enhancing the partnership between RDECOM, industry, and academia.