

Report Documentation Page				Form Approved OMB No. 0704-0188	
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1. REPORT DATE 27 JUL 2011		2. REPORT TYPE N/A		3. DATES COVERED -	
4. TITLE AND SUBTITLE U.S. ARMY Tank Automotive Research, Development and Engineering Center (TARDEC)				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) US Army RDECOM-TARDEC 6501 E 11 Mile Rd Warren, MI 48397-5000, USA				8. PERFORMING ORGANIZATION REPORT NUMBER 22095	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) US Army RDECOM-TARDEC 6501 E 11 Mile Rd Warren, MI 48397-5000, USA				10. SPONSOR/MONITOR'S ACRONYM(S) TACOM/TARDEC/RDECOM	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S) 22095	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited					
13. SUPPLEMENTARY NOTES The original document contains color images.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT SAR	18. NUMBER OF PAGES 15	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

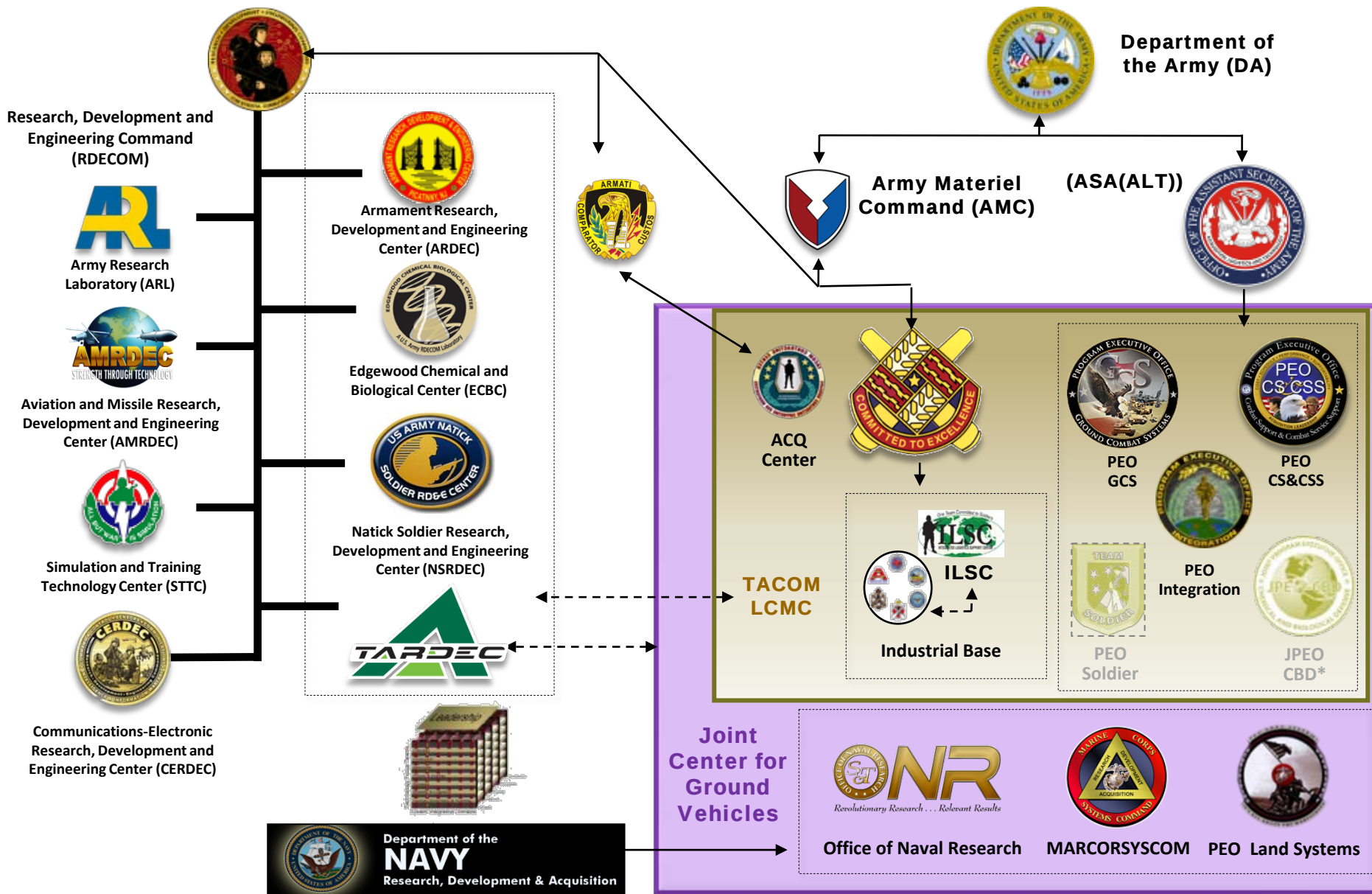
- Provides full life-cycle engineering support and is provider-of-first-choice for all DOD ground combat and combat support vehicle systems.
- Develops and integrates the right technology solutions to improve Current Force effectiveness and provide superior capabilities for the Future Force.

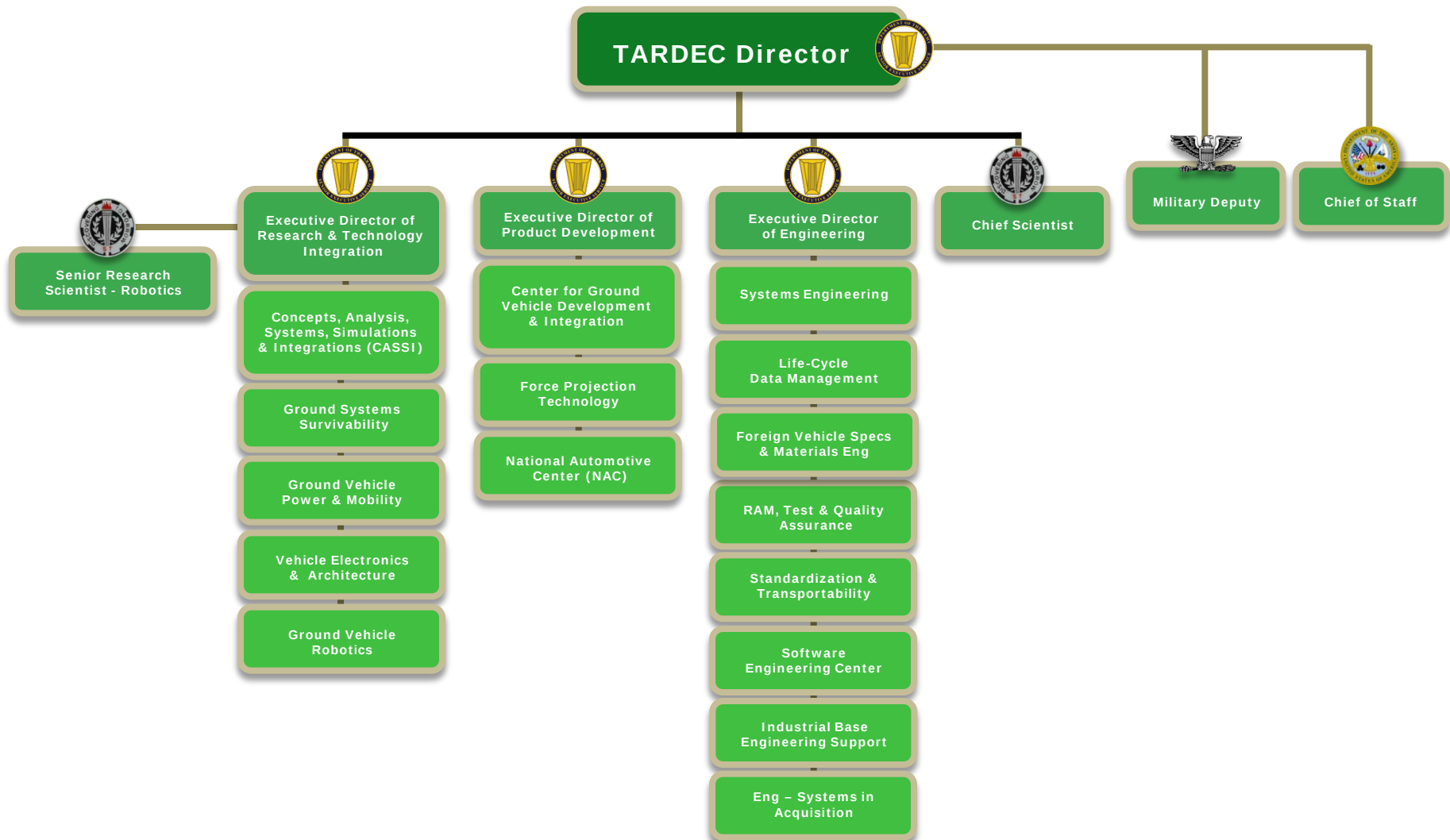


Responsible for Research, Development and Engineering Support to **3,300** Army systems and many of the Army's and DOD's Top Joint Warfighter Development Programs

unclassified

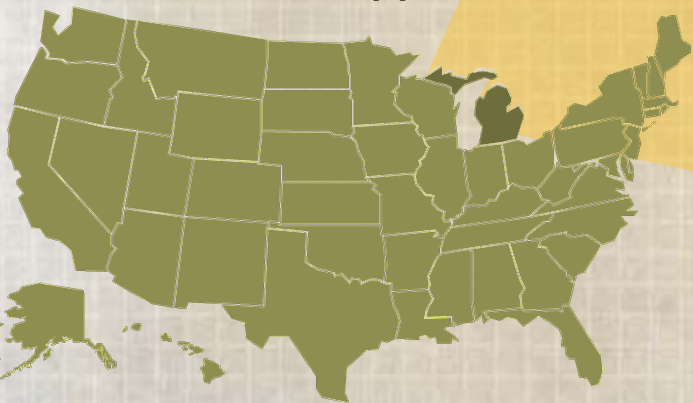
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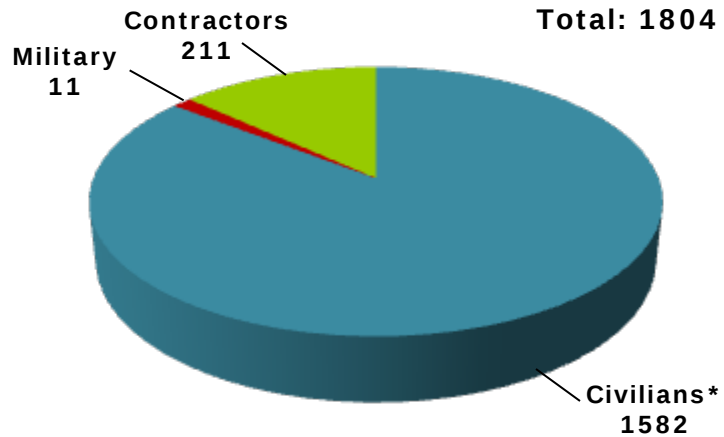
Geographic Benefits

- **Connected to World-Class Automotive Engineering Universities at our doorstep**
 - **Defense Industry Ground Systems Hub**
 - **Direct Linkage to World-Class Automotive Research and Development Centers**
 - **Strategic Engagement with 1st, 2nd and 3rd Tier Automotive Supplier Network**
- 



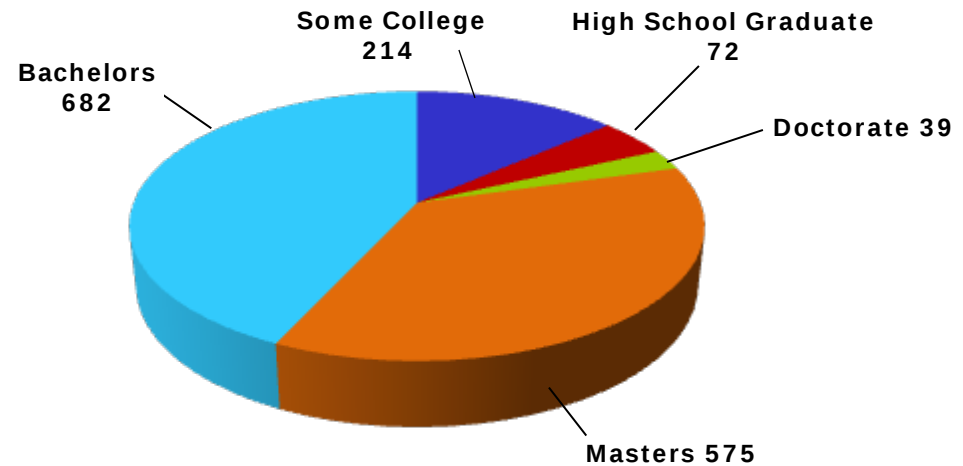
Total Workforce

Total: 1804



*Includes permanent/term employees, local interns, STEPs, and local SCEPs (in a pay status).

Education



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Ground Vehicle
Survivability

Vehicle Electronics &
Robotics

Ground Vehicle
Power & Mobility

Ground Vehicle Engineering
Technical Support

Ground Vehicle Force
Sustainment Technology

Systems Engineering & Integration Excellence Across the Life Cycle

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System & Simulation Integration Laboratories



Survivability Laboratories



Physical Simulation Laboratories



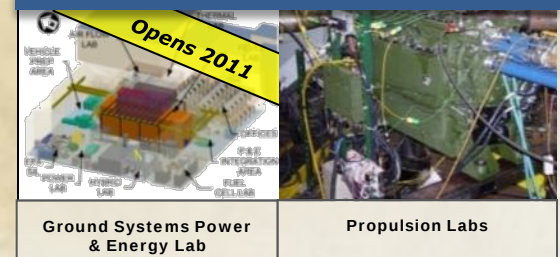
Prototype Integration



Fuels & Lubricants Laboratories

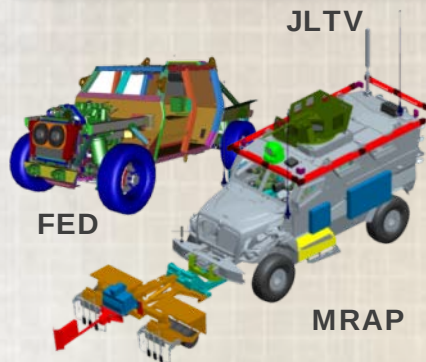
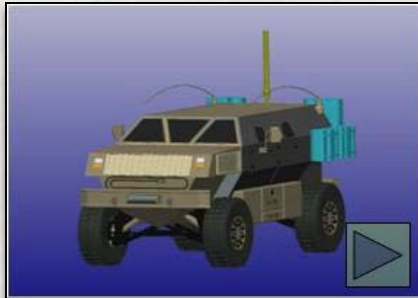


Power & Energy Laboratories

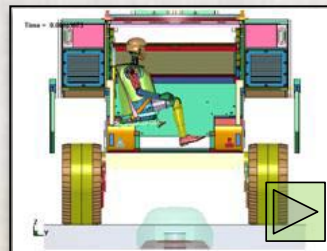


TARDEC's Warren, MI operations have a resource value of over \$1.1B and occupy 12 facilities on the Detroit Garrison totaling over 936,000 square feet of laboratory space

Advanced Concepting



Analytics



Hardware & Man-In-The-Loop Simulation



Prototype & Demonstrators



HPC & Data Management



High Performance
Computing (HPC)

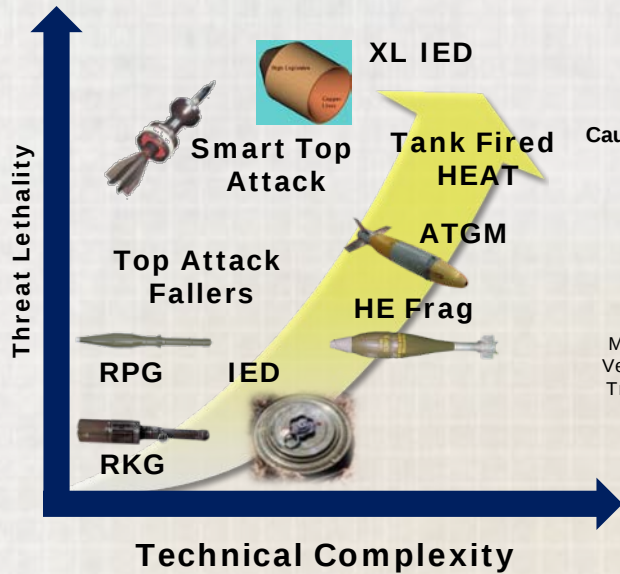


Computer Aided Virtual
Environment (CAVE)

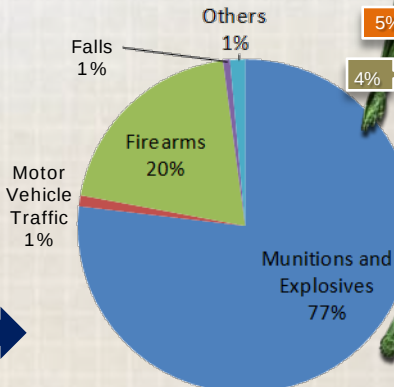


Advanced Collaborative
Environment (ACE)

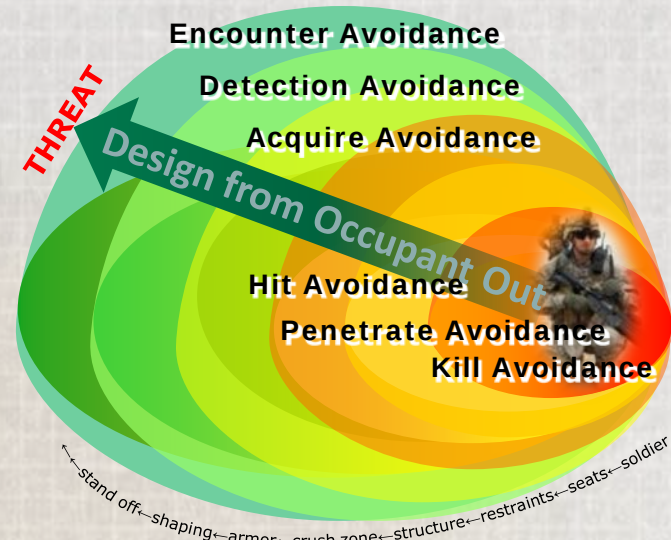
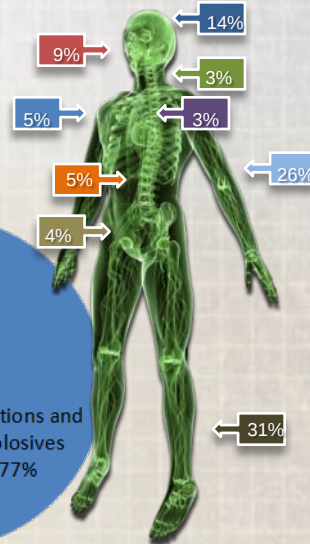
Providing Rapid Assessment and Integration Services throughout the Life Cycle of both Technology and System / Platform Development Programs.



Cause Agent Breakdown (BI)
2002-2008



N = 7,092 patients



**Increasing Demands and Operational Flexibility
Require Strategic Investments in Key Areas**



Kill Avoidance



Penetration Avoidance



Hit Avoidance



Detection Avoidance

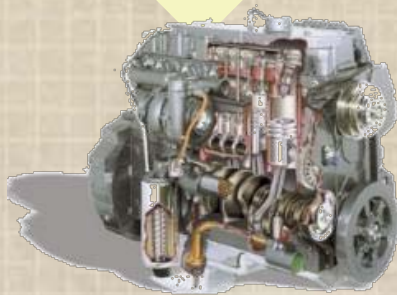
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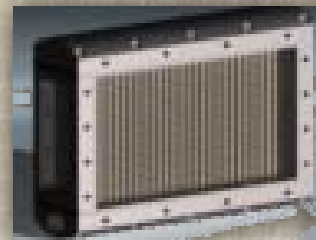
**Increasing Demands and Operational Flexibility
Require Strategic Investments in Key Areas**



Energy Storage



**Power Generation
& Control**

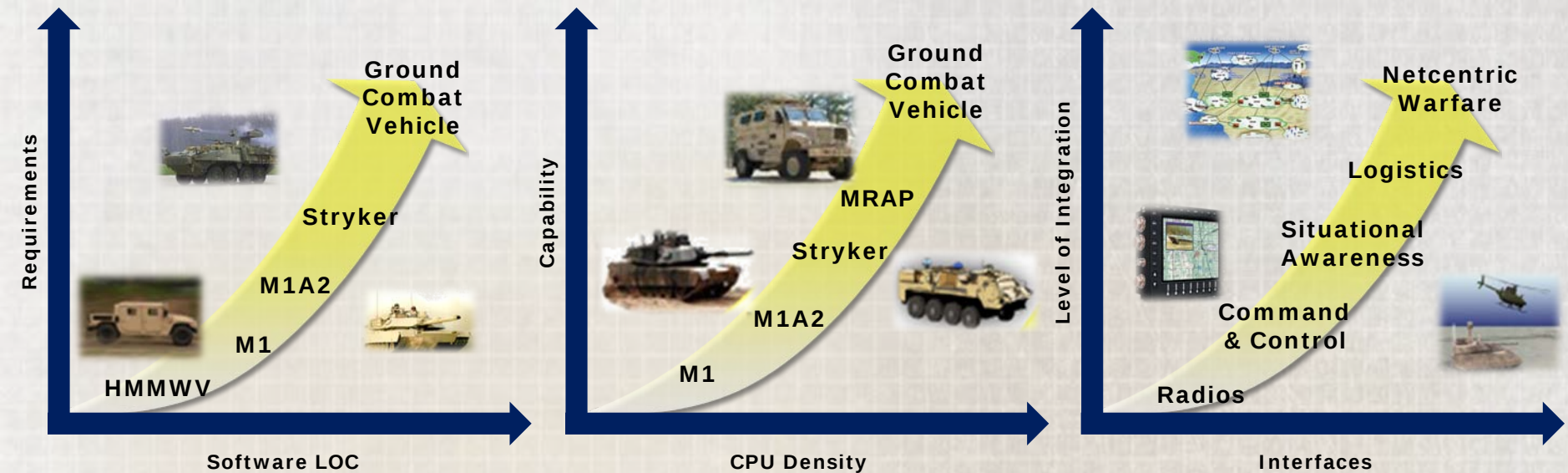


Thermal Management



Track & Suspension

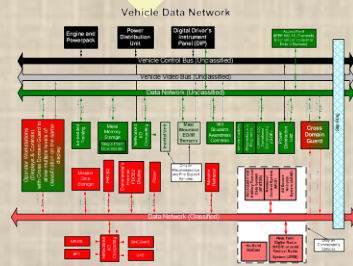
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**Increasing Demands and Operational Flexibility
Require Strategic Investments in Key Areas**



Vehicle Networks



Architectures

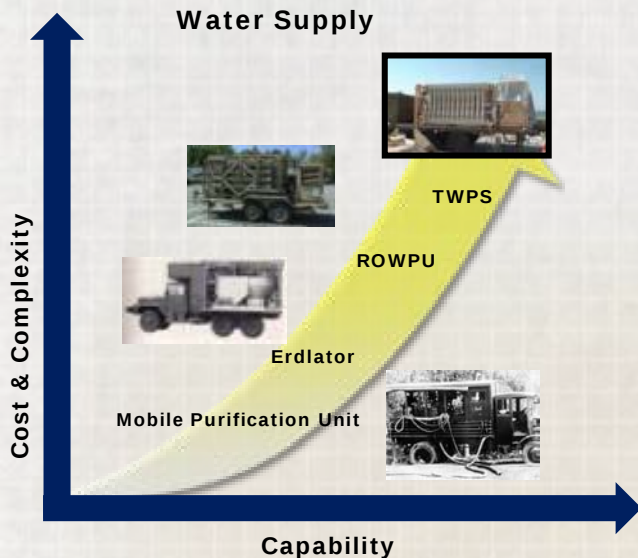


Computers



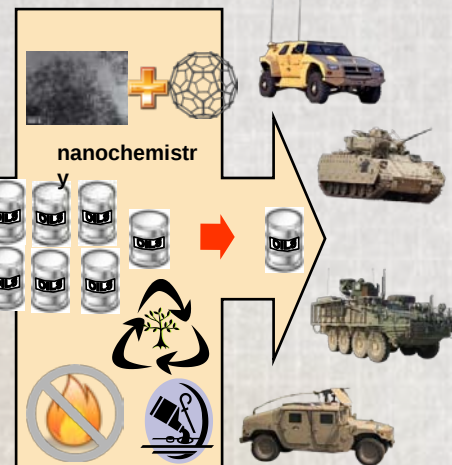
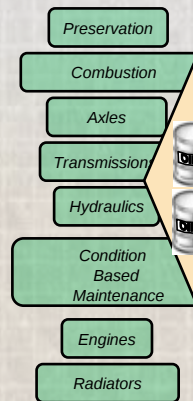
Software

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Labs & Facilities

Potential Applications



POL Technology

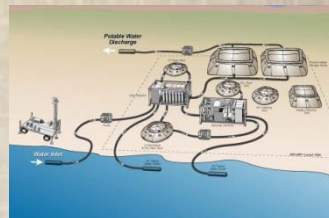
Mechanical Countermine



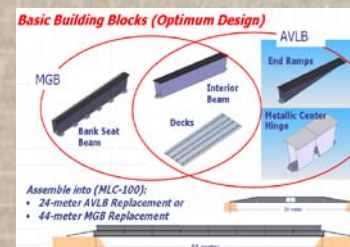
Petroleum Supply



Water Supply

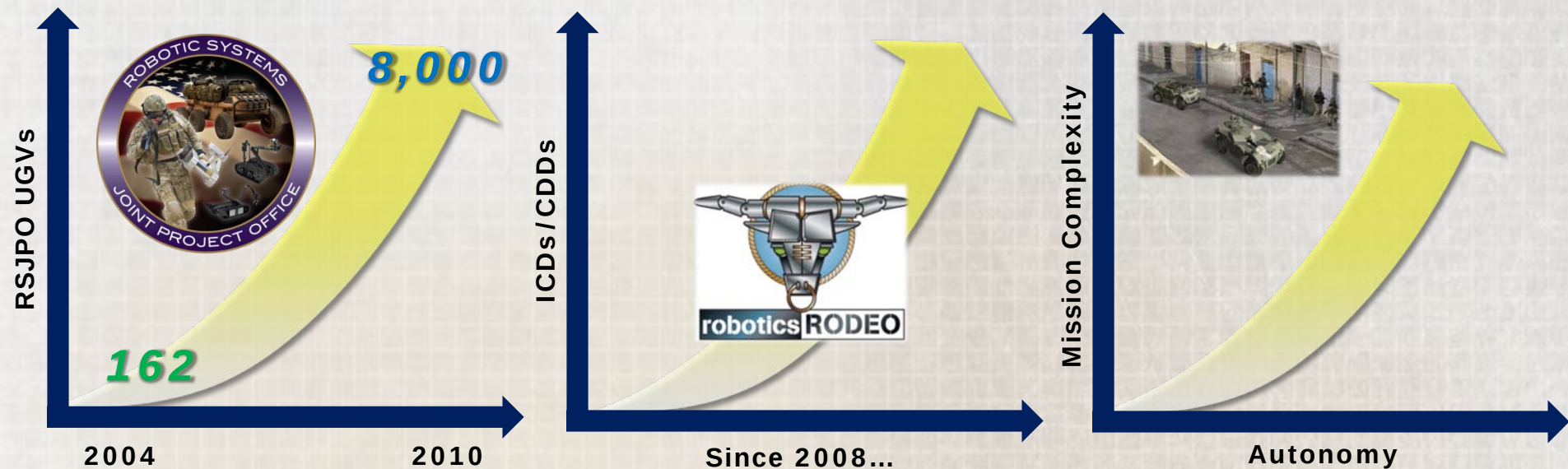


Bridging



**Combat Engineering and
Material Handling Equipment**





**Increasing Demands and Operational Flexibility
Require Strategic Investments in Key Areas**



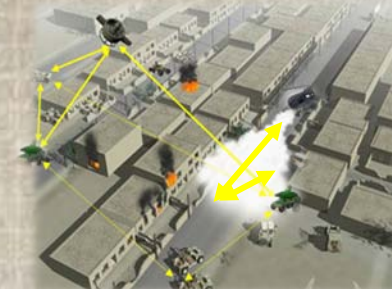
Reliable operations



Intelligent Control



Lighten the Load



**Collaborative
Interoperability**

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