



GVPM Technology Strategy

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August 2011

Report Documentation Page			Form Approved OMB No. 0704-0188		
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 09 AUG 2011	2. REPORT TYPE N/A	3. DATES COVERED -			
4. TITLE AND SUBTITLE GVPM Technology Strategy		5a. CONTRACT NUMBER			
		5b. GRANT NUMBER			
		5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S) Chuck Couteau		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 22162			
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) 22162			
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the 2011 NDIA Vehicles Systems Engineering and Technology Symposium 9-11 August 2011, Dearborn, Michigan, USA, The original document contains color images.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT SAR	18. NUMBER OF PAGES 6	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

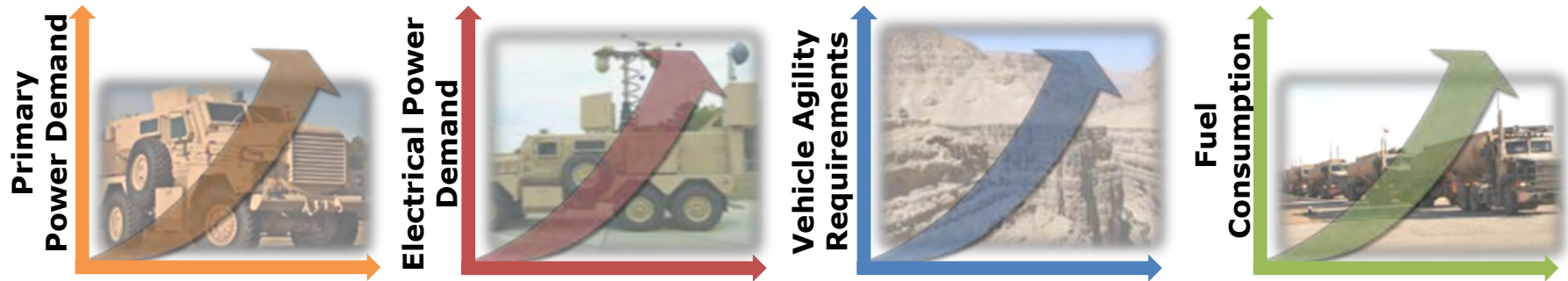
Selecting the Right Technologies to Meet the Challenges

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Vision: GVPM will be the DoD's first choice for ground systems power and mobility solutions

Mission: Research, develop and deliver ground systems power and mobility technology solutions to the current and future force



**Increasing demands, operational flexibility, and inter-relationships
Requires a Systems Engineering approach and investments in key technology areas**



Propulsion & Thermal Management



Non-Prime Power Systems



Track & Suspension

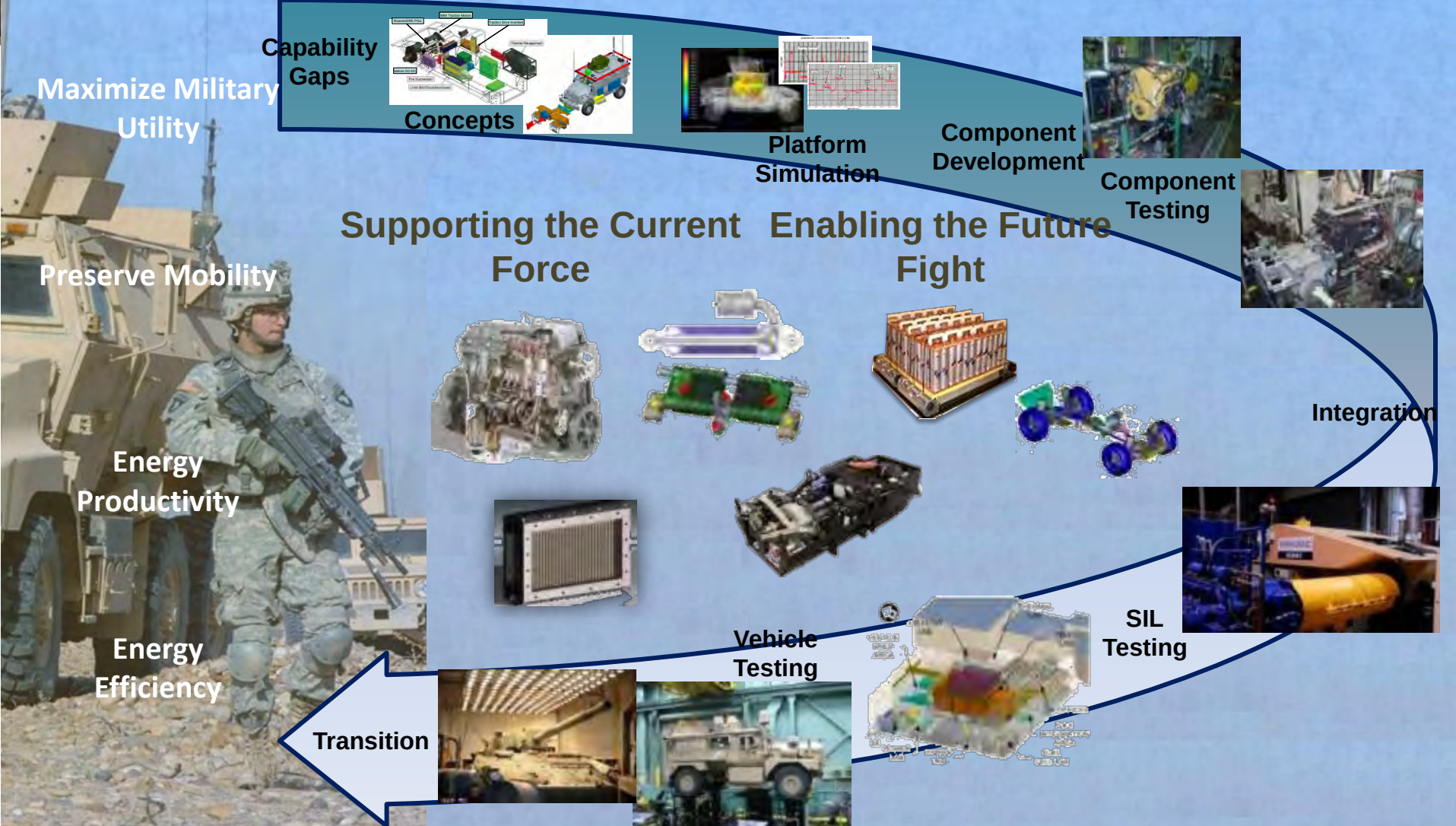


Advanced Propulsion

Systems Level Analysis, Integration and Testing

Laboratory and M&S Support Throughout the Development Cycle

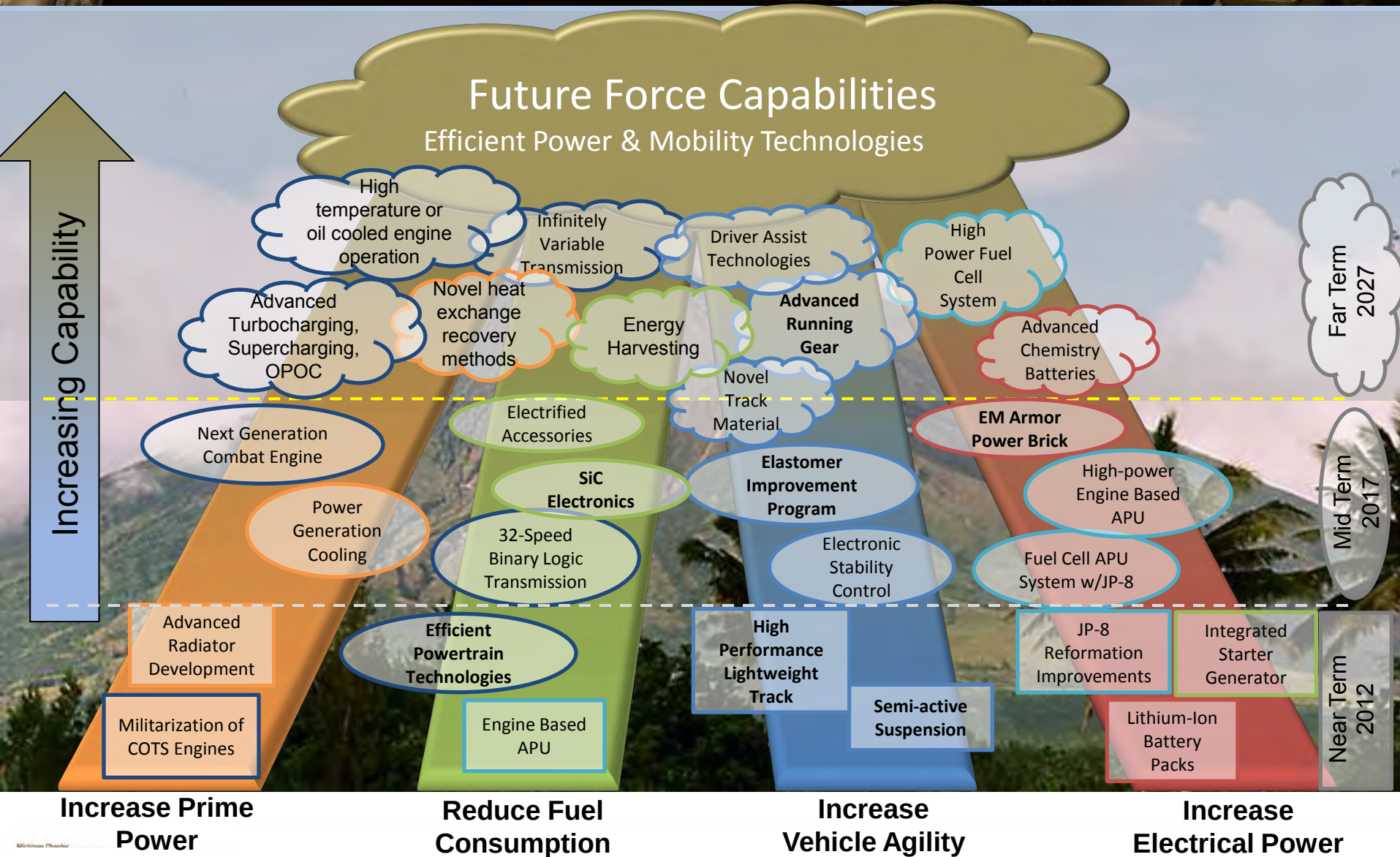
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Enabling Warfighter Capability Through Technology Development & Integration

Capability Based Technology Strategy

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GVPM Laboratory Overview

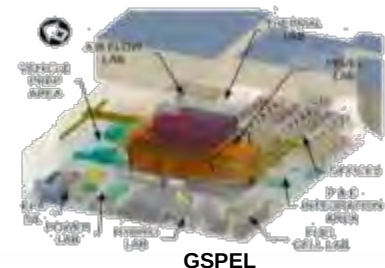
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Propulsion Lab



Elastomer Lab



GSPEL

- Engine Dynamometer Test Cells
- Power and Inertia Simulator (PAISI) Test Cell
- Vehicle/transmission/drive axle Evaluation Test Cell
- Single-cylinder Engine Research Test Cell
- Engine Generator Test Lab
- Full Vehicle Environmental Test Cell
- Hybrid Electric Reconfigurable Moveable Integration Testbed (HERMIT)
- Electro-chemical Analysis and Research Lab (EARL)
- Battery Lab
- Air Flow/Cooling Lab
- Elastomer Lab
- Ground Systems Power & Energy Labs (GSPEL)



Airflow/Cooling Lab



Battery Lab



HERMIT



Environmental Test Cell

It's all about...Supporting the Warfighter

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