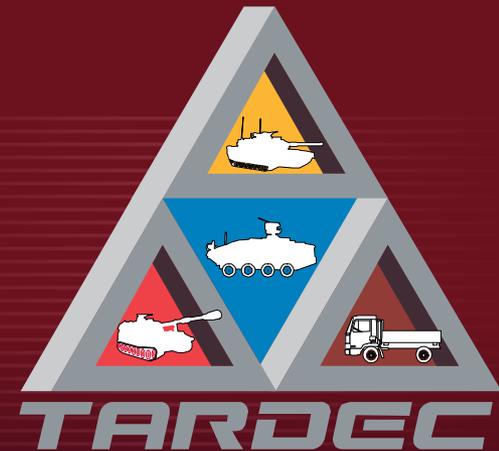




RDECOM

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TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

U.S. Army National Automotive Center



Paul F. Skalny

Director

April 2008



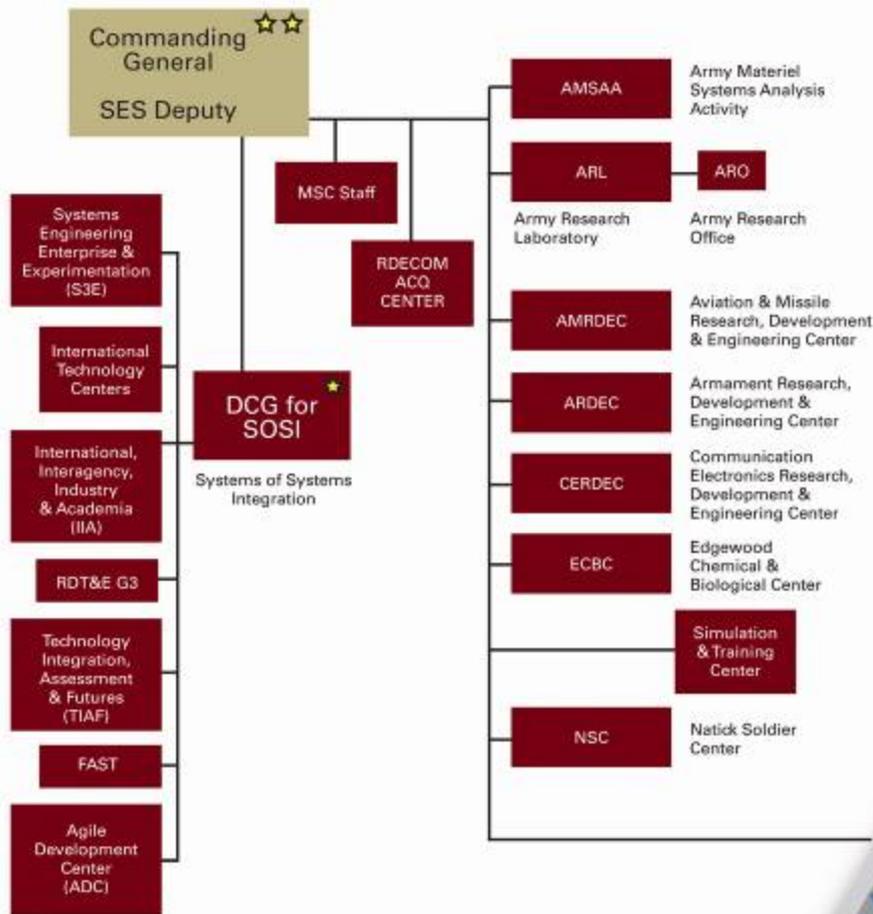
Tank Automotive Research, Development & Engineering Center (TARDEC)



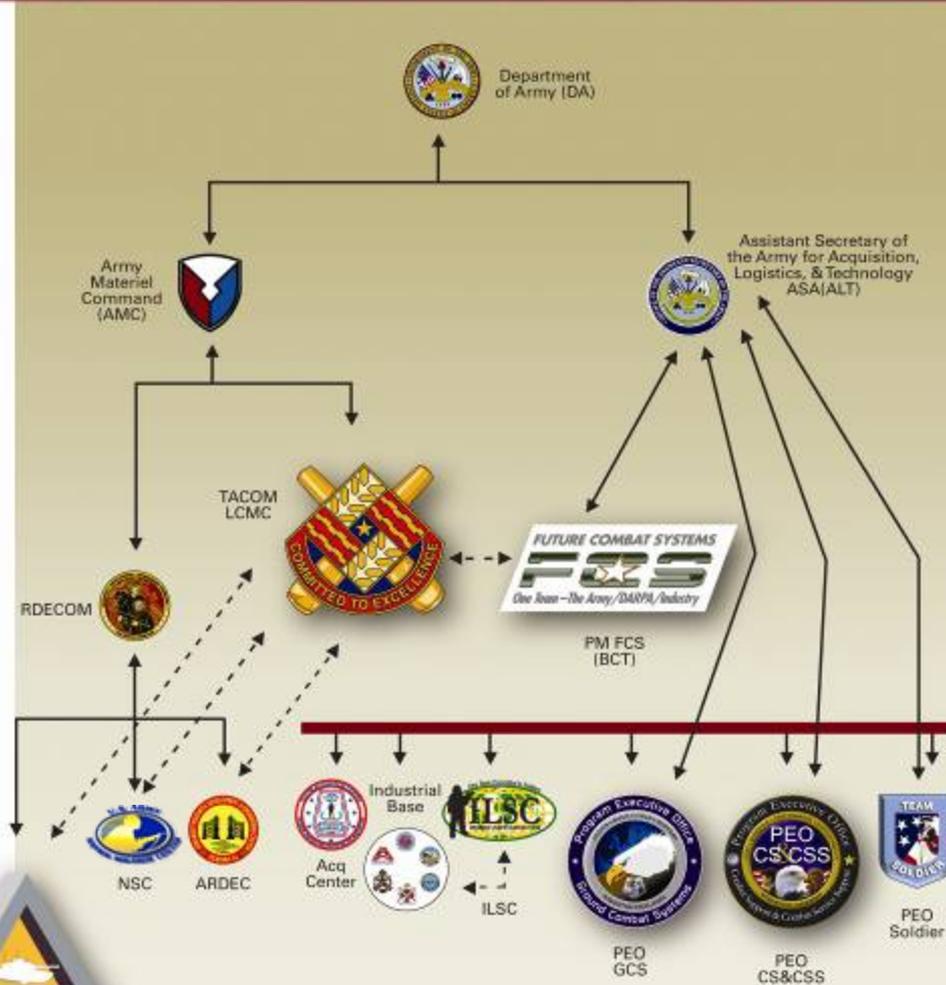
MISSION: TARDEC is a major element of RDECOM and partner in the TACOM Life Cycle Management Command. As a full life-cycle engineering support provider-of-first-choice for all DOD ground combat and combat support weapons and vehicle systems, TARDEC develops and integrates the right technology solutions to improve Current Force effectiveness and provide superior capabilities for the Future Force.

VISION: Be the first choice of technology and engineering expertise for ground vehicle systems and support equipment — today and tomorrow.

TARDEC - Responsible for Research, Development and Engineering Support to **2,800** Army systems and many of the Army's and DOD's top joint warfighter development programs.



Research, Development and Engineering Command



TACOM LCMC Enterprise

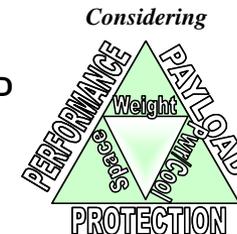




- Evolving Threat
- Theater JUONS
- JCIDS process
- Force Analysis
- Field Mods
- TRADOC

Leverage Technology

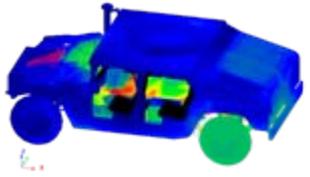
- Industry
- Labs
- RDECs
- Other DOD Agencies



Requirements Decomposition

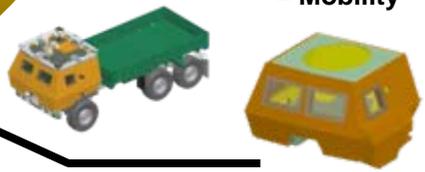
Requirements

Technology Concepts & Analysis

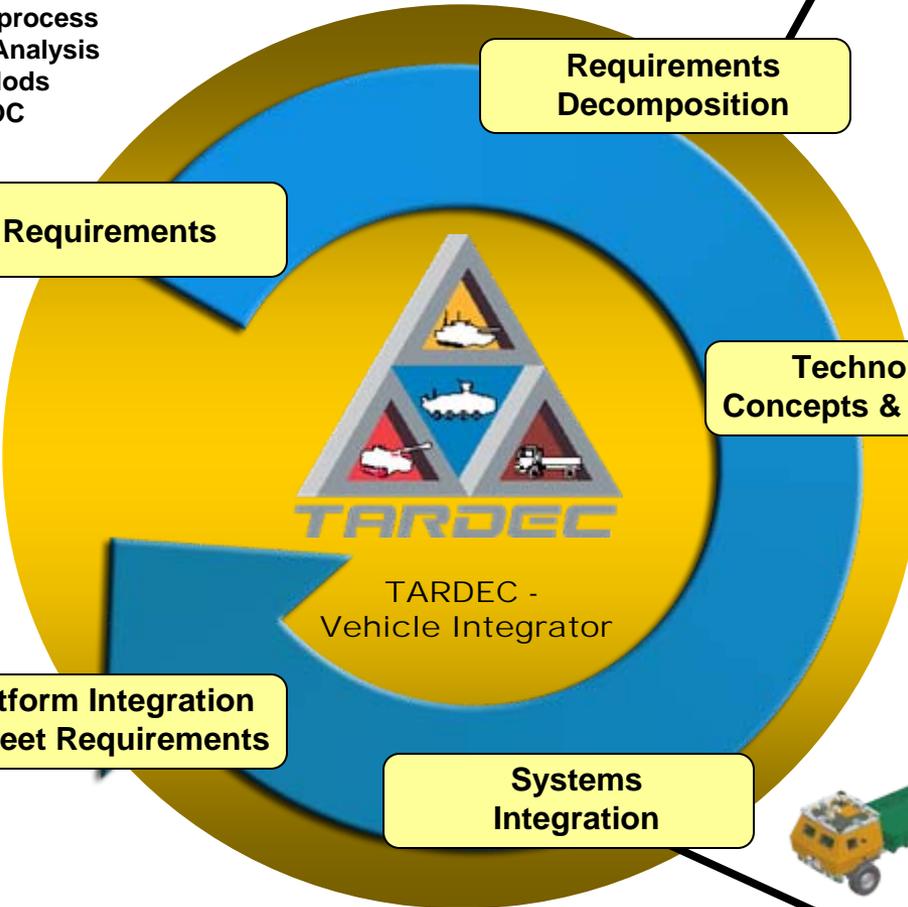


Platform Integration to Meet Requirements

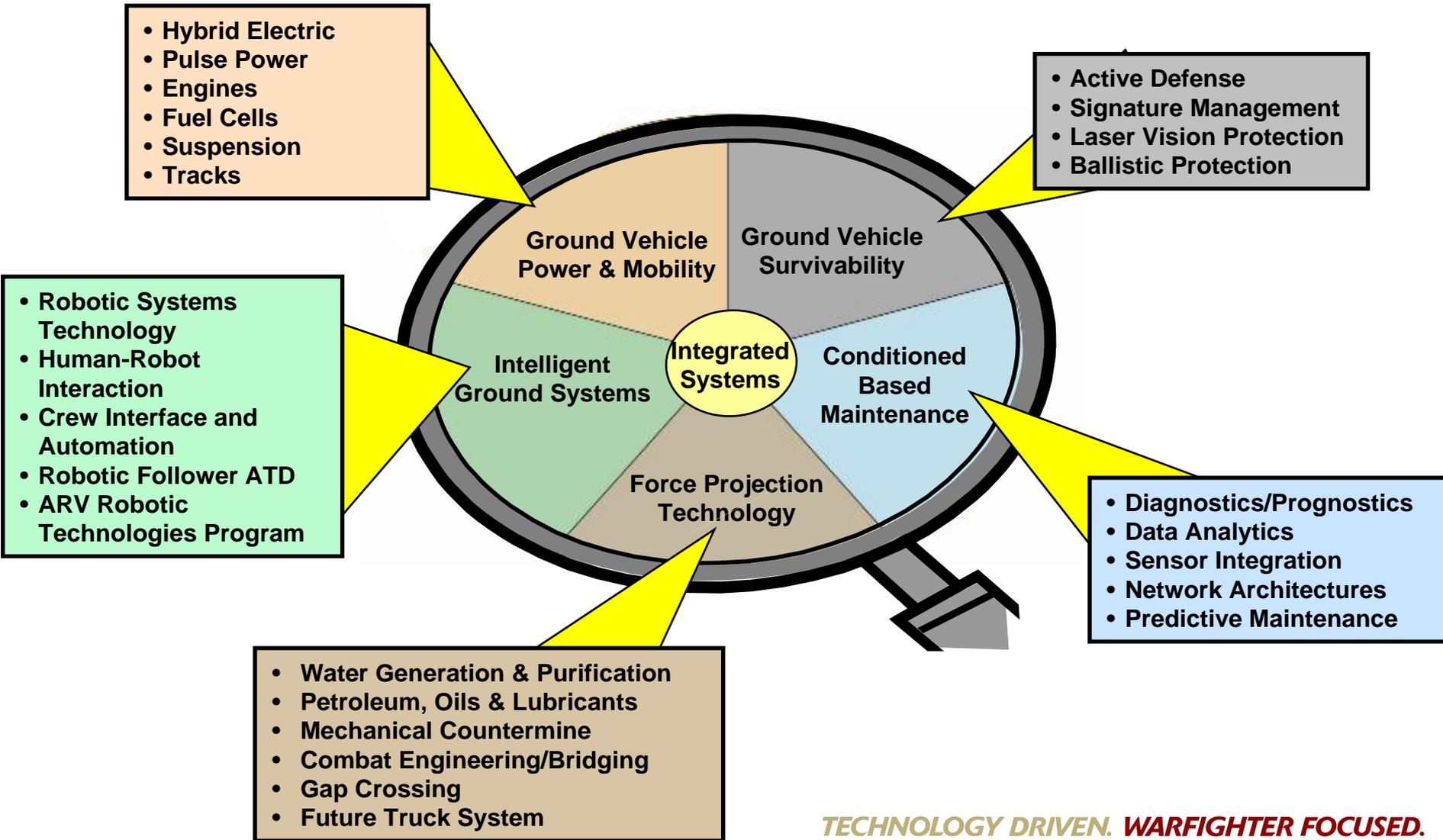
Systems Integration



- Operational Effectiveness
- Component Integration
- Solution Models
- Life Cycle Cost
- Reliability
- Automotive
- Mobility



- Using best practice tool sets for integrated analysis to drive/identify common requirements & technical solutions for broad fleet application
- Leverage optimal standard technology solutions for economy-of-scale & return-on-investments





UNITED STATES ARMY

NAC

NATIONAL AUTOMOTIVE CENTER



“Leveraging Opportunities to Fill Technology Gaps.”



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U.S. Army National Automotive Center (NAC)



Chartered by Secretary of the Army 21 June 1993

Mission: *“The Center will serve as the Army focal point for the development of dual-use automotive technologies and their application to military ground vehicles. It will focus on facilitating joint efforts between industry, government and academia in basic research, collaboration, technology, industrial base development and professional development.”*

“Leveraging Opportunities to Fill Technology Gaps.”

“Accelerating the infusion of commercially viable technology into military land warfare systems”



TECHNOLOGY DRIVEN. **WARFIGHTER FOCUSED.**



“Leveraging Opportunities to Fill Technology Gaps.”

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Army National Automotive Center

Automotive Technology (Associate Director)	Collaborative Mechanisms & Partnerships (Associate Director)	International Cooperative R&D & Special Initiatives (Associate Director)
Power & Energy Technologies	Unsolicitations	International Cooperative R&D
Manufacturing & Mfg. Robotics Tech.	SOCOM	21st Century Base Initiative
Vehicle Intelligence Technologies	National Guard, Reserve, HLS/HLD	Assured Fuels Initiative
Vehicle Subsystems Technologies	SBIRs, CRADAs, Data, Assessment & Forecasting, Outreach	Safety Technology Initiative
	Automotive Research Center & Universities	
	Federal/State/Local/Congressional	

“Leveraging Opportunities to Fill Technology Gaps.”

- **TARDEC's priority - Support the Fight!**
- **Our focus is to be the first choice of technology & engineering expertise for ground vehicles systems and support equipment – today and tomorrow**
- **Continue fostering relationships with the TACOM-LCMC, Industry, and Academia**

