

NDIA Atlanta Symposium
Government – Industry Partnering
PEO PERSPECTIVE



BG David Ogg
Program Executive Officer,
Ground Combat Systems
23 April 2009



Organizational Structure

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



PEO BG David Ogg
DPEO Mr. Mike Viggato



APEO Business Management
Mr. Art White

Acting APEO Logistics
Mr. Ken Seibel

APEO Operations Management
Ms. Kristi Sharp

PEO XO
MAJ Cory Berg

**APEO Systems Engineering/
Chief Systems Engineer**
Mr. Peter Haniak

APEO Corporate Information
Mr. Don Papke

USMC LNO
Maj Stefan Sneden

ATEC LNO
Ms. Gretchen McCoy

Robotic Systems JPO
PM COL J. Braden (USMC)
DPM Mr. J. Jaczkowski



Heavy Brigade Combat Team
PM COL P. Lepine
DPM Mr. M. Asada



Lightweight 155MM Howitzer
PM Mr. J. Shields
DPM Mr. K. Gooding



Stryker Brigade Combat Team
PM COL R. Schumitz
DPM Ms. C. Tucker



KEY **Warren** **Picatunny**

OUR MISSION IS OUR WARFIGHTERS' FUTURE

GCS Programs



PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS

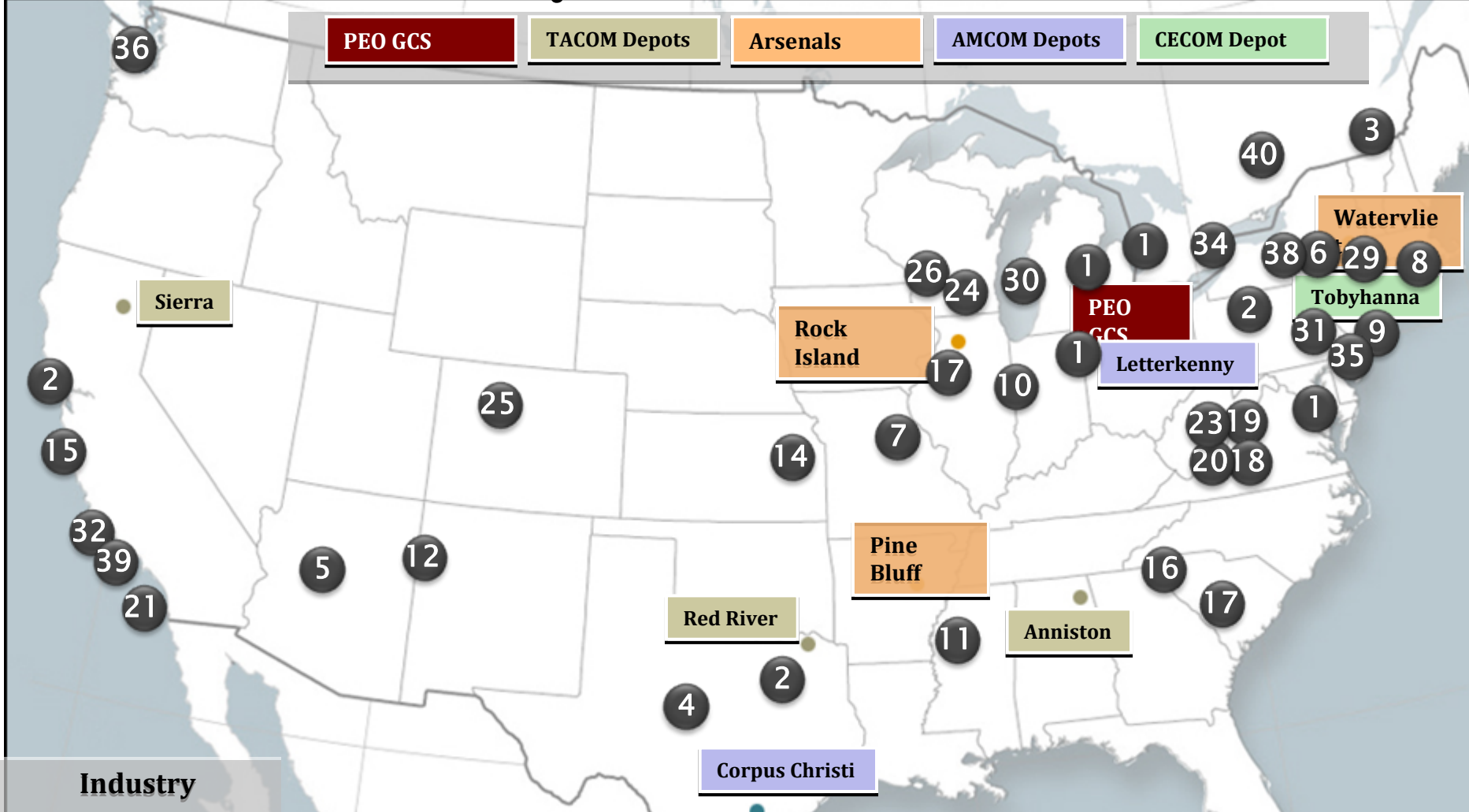
<p>Stryker Brigade Combat Team</p> <p>9 Infantry Carrier Vehicle Configurations</p> <p>Mobile Gun System</p>	<p>Heavy Brigade Combat Team</p> <p>Abrams Tank M88 Recovery Vehicle Bradley Fighting Vehicle Paladin / FAASV M113 Knight</p>	<p>Joint Robotic Systems (Army & Marine)</p> <p>MULE TALON SUGV</p>	<p>Joint Lightweight Howitzer 155mm (Army & Marine)</p> <p>M119A2 M777A2</p>

PEO GCS MISSION:

"Lead the Army's Ground Combat System Programs by providing the Joint Warfighter with mission capable systems as part of a full-spectrum force, through sound life cycle management"

OUR MISSION IS OUR WARFIGHTERS' FUTURE

Government - Industry Teams



Industry				
1. General Dynamics Land Systems	1. Textron	13. Michelin	13. Air Methods	34. MOOG
2. BAE Systems (US & UK)	2. L3	14. Caterpillar	25. Rexroth	35. Hutchinson
3. iRobot	3. Allison Transmission	15. Kidde	26. VMW	36. GSA Auburn National Warehouse
4. Raytheon	4. AGT	16. Booz Allen Hamilton	27. Meggitt (UK)	37. Arcelor Mittal (UK)
5. Honeywell	5. ARA	17. LSI	28. Hamilton Sundstrand	38. Kollmorgen
6. Foster Miller	13. Dok-ing (Croatia)	18. SAIC	30. Borisch	39. Marvin Land Systems
7. DRS Technologies	14. Lockheed Martin	19. Kongsberg (Norway)	31. Curtiss Wright	40. ALCAN
	15. Northrop Grumman	20. QinetiQ	32. Advanced EO	
		21. C. E. Niehoff & Co.	33. Metalcastello (Italy)	



PM Heavy Brigade Combat Team

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS

**6,118
Abrams FoV**

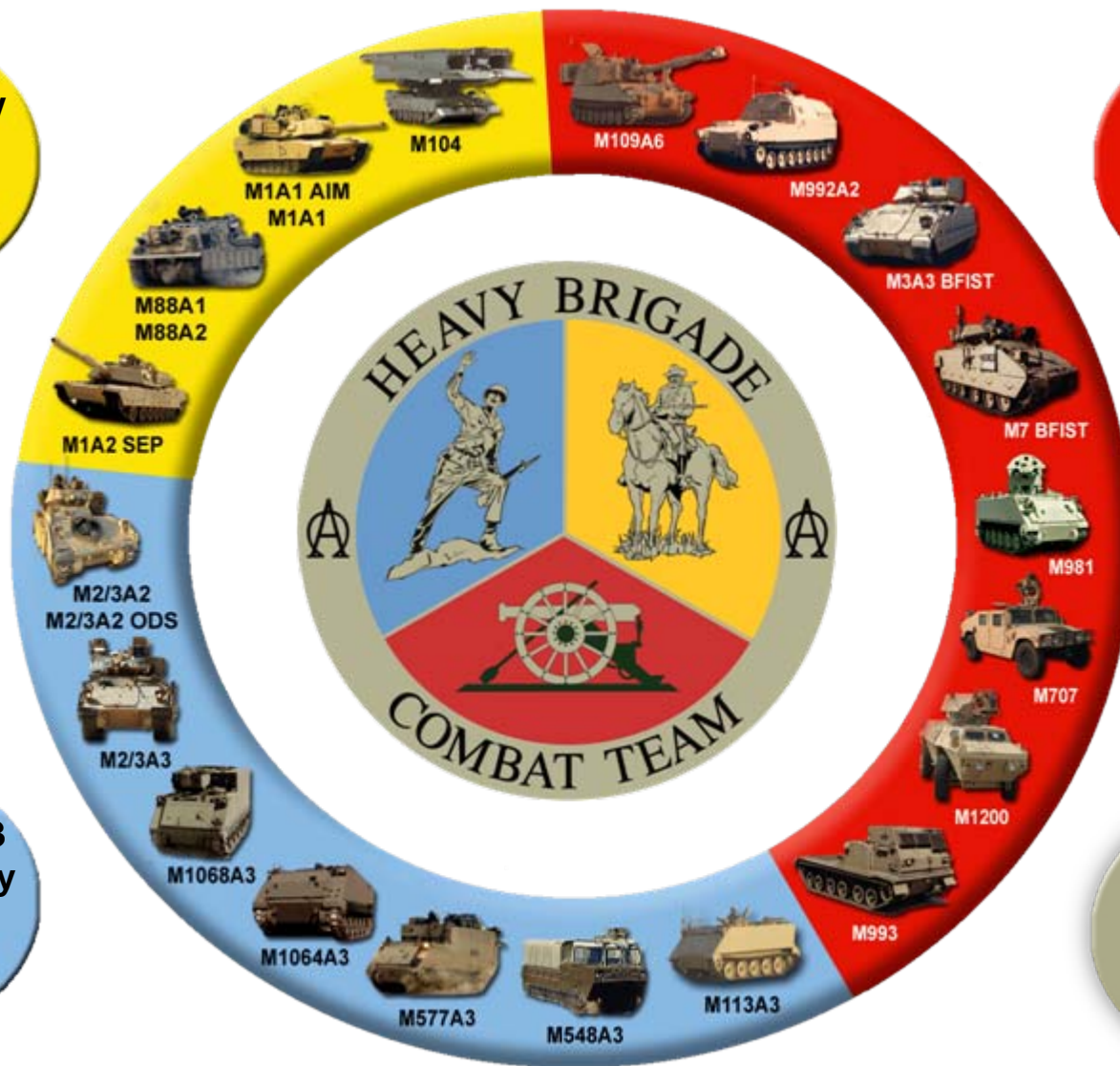
TEAM
ABRAMS

**3,962
Fire Support
Platforms**

**13,441 M113
6,452 Bradley**

TEAM
BRADLEY/M113

**29,400 in
Active Use**



OUR MISSION IS OUR WARFIGHTERS' FUTURE



PM Heavy Brigade Combat Team

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



Booz | Allen | Hamilton



LOCKHEED MARTIN



communications

Combat Propulsion Systems



CATERPILLAR®



Raytheon



KONGSBERG



BAE SYSTEMS

OUR MISSION IS OUR WARFIGHTERS' FUTURE



HBCT Public - Private Partnerships

PROS

- Meet intent of “50/50” Statute while leveraging best-of-class improvements in quality, Lean-Six Sigma, & Material procurement from OEMs
- Streamlines process, improves efficiency, provides economic stability to our vital National industrial base
- Incorporates ‘Just-in-Time’(JIT) inventories – reduces o/h inventory costs
- Leverages OEM to enforce cost management over Depots

CONS

- Managing cost, schedule and performance is a challenge.
- Potential for OEM to over reach when directing Depots
- Risk to OEMs for Depot - provided assemblies – priced as risk in contracts
- Impeded USG from doing a complete FFP contract with OEMs



PM Stryker Brigade Combat Team

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



Infantry Carrier Vehicle



NBC Reconnaissance Vehicle



Anti Tank Guided Missile



Reconnaissance Vehicle



Medical Evacuation Vehicle



Mobile Gun System



Engineer Squad Vehicle



120mm Mounted
Mortar Carrier



Commander's Vehicle



Fire Support Vehicle

OUR MISSION IS OUR WARFIGHTERS' FUTURE



PM Stryker Brigade Combat Team

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



OUR MISSION IS OUR WARFIGHTERS' FUTURE



SBCT Public - Private Partnerships

PROS

- **Labor Force Is Flexible And Adapting- Adjust Easily To Ramp Ups**
- **Incorporates Earned Value Management Implementation**
- **Technologically Advanced Software Systems Available**
- **Responsive To High Priorities**
- **Allow Use Of Contract Incentives**
- **Increase Program Knowledge By Pooling Resources**
- **Savings In Capital Investments**

CONS

- **Overpromise Of Performance/Schedule**
- **Partnering Process Can Be Time Consuming**
- **Communication Among Multiple Partners Adds Complexity**
- **Balancing Of Workload (Share Ratio) Between The Partners**
- **Dealing With Intellectual Property**
- **Identification Of The Ultimate Responsible Party**



PM Joint Lightweight 155

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



M119



M198



Towed Artillery for the 21st Century



M777



OUR MISSION IS OUR WARFIGHTERS' FUTURE



PM Joint Lightweight 155

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



**Watervliet
Arsenal**

BAE SYSTEMS

OUR MISSION IS OUR WARFIGHTERS' FUTURE



JLW 155 Public - Private Partnerships

PROS

- **Incorporate best business practices into Defense Depot operations**
- **Increase Depot throughput**
 - **Work share**
 - **Sub-system/component overhaul**
- **Maintain critical skill sets in Public and Private sectors**

CONS

- **Depot Infrastructure (Facilities & Equipment) Investments Limited - Risk For ROI Too High**
- **Partnerships could be affected by competitive procurement requirements**
- **Small Inventory May Not Lend To A Partnering Program**



PM Robotic Systems JPO

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



Abrams Panther



Mini-Andros



Matilda



Small Unmanned Ground Vehicle



Multifunction Utility /
Logistics &
Equipment



Assault Breaching Vehicle



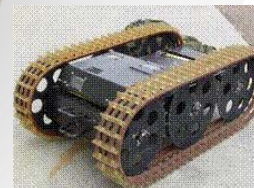
PackBot



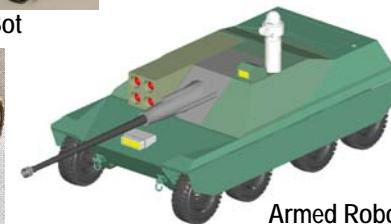
xBot



DOK-ING MV-4



Urbot



Armed Robotic Vehicle



Vanguard



Gladiator



Mini-Flail



Autonomous Navigation System

OUR MISSION IS OUR WARFIGHTERS' FUTURE



PM Robotic Systems JPO

iRobot®

BAE SYSTEMS



DOK-ING
DON'T SEND A MAN TO DO A MACHINE'S JOB



LOCKHEED MARTIN



GENERAL DYNAMICS
Land Systems

SAIC
From Science to Solutions

APPLIED RESEARCH ASSOCIATES, INC.

QinetiQ
North America

Foster-Miller

OUR MISSION IS OUR WARFIGHTERS' FUTURE

PROGRAM EXECUTIVE OFFICE
GROUND COMBAT SYSTEMS



RSJPO Public - Private Partnerships

PROS

~~Relatively Small Community That~~

Allows For Open And Frequent Communication

- **OEMs Have Proven To Be Able To Quickly React To ONS And JUONS**
- **Have Successfully Integrated Subsystems And technologies From Government Labs And Other Contractors Into Fieldable, Sustainable Solutions**
- **Working Together Through Quality and Acceptance Testing Has Made Significant Improvements**

CONS

- **Partnerships need to be deliberately investigated when supporting COTS products when supporting OCOs.**
- **COTS Equipment Room For Improvement – Configuration Management, Interoperability And Commonality**
- **Time Consuming Process For Both USG and Industry**



Government – Industry Partnerships



Leveraging the Best of the Best

OUR MISSION IS OUR WARFIGHTERS' FUTURE

NDIA Atlanta Symposium
Government – Industry Partnering
PEO PERSPECTIVE



BG David Ogg
Program Executive Officer,
Ground Combat Systems
23 April 2009