



# **MARINE CORPS SYSTEMS COMMAND**

## **PROGRAM EXECUTIVE OFFICER LAND SYSTEMS**



Advanced Planning Briefing to Industry  
5-7 April 2010

## **Product Group 15**

# **“Ground Transportation and Engineer Systems”**

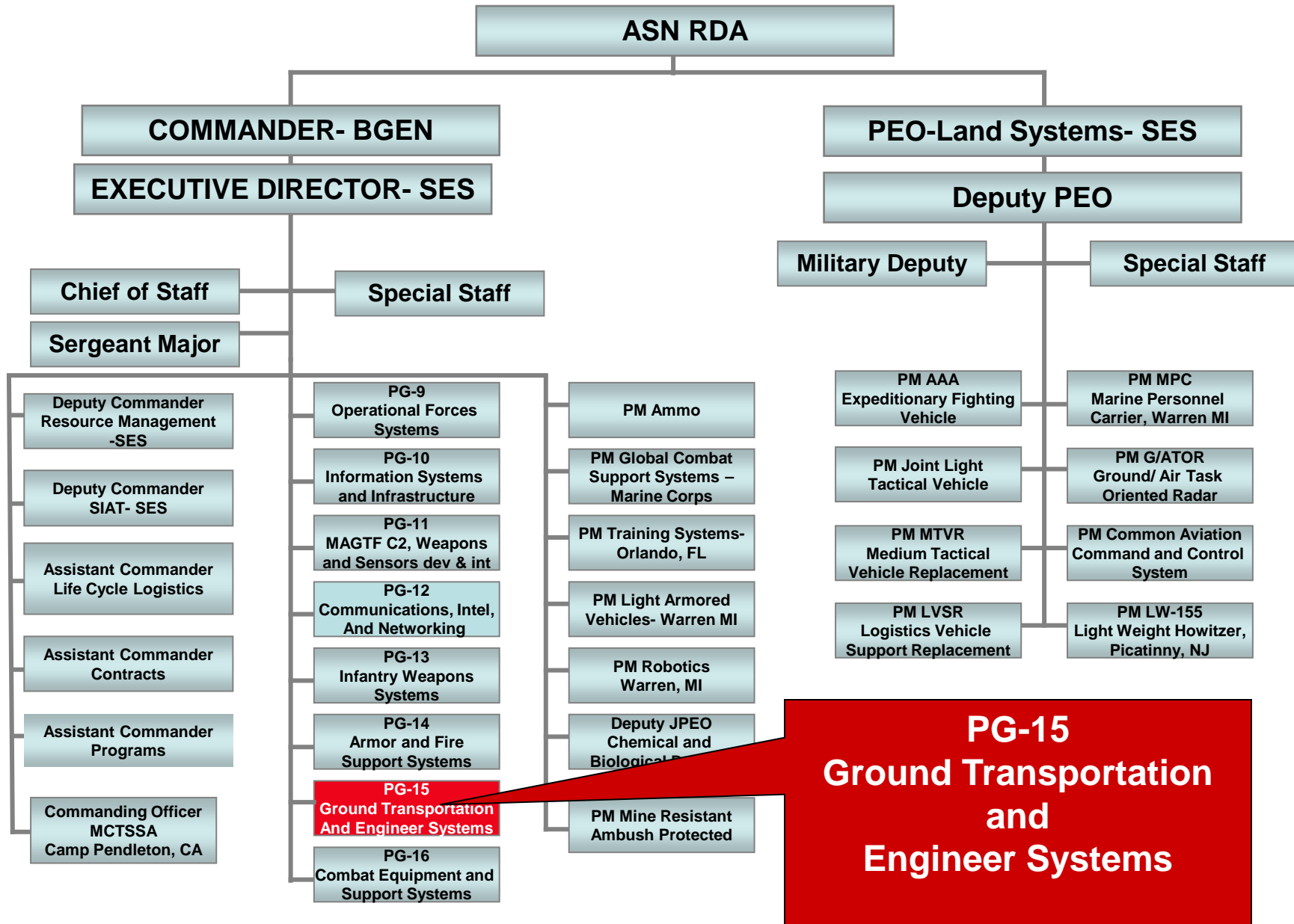
**Colonel Mike Micucci, USMC**

# Agenda

- Who
- What
- When
- Time
- Why



# Organizational Line Chart



**PG-15  
Ground Transportation  
and  
Engineer Systems**



# FYDP Investments

	FY10	FY11	FY12	FY13	FY14	FY15
<b>RDT&amp;E PMC</b>	<b>\$2.1M \$47.5M</b>	<b>\$3.9M \$22.0M</b>	<b>\$0.6M \$24.8M</b>	<b>\$0.6M \$47.5M</b>	<b>\$0.7M \$61.4M</b>	<b>\$0.7M \$60.5M</b>
<b>Motor Transport</b>	<b>HMMWV RECAP / ITV / MTRV Trailer / P-19 / Flatrack</b>					
	<b>HMMWV RECAP / ITV SUSTAINMENT / FAMILY OF TACTICAL TRAILER</b>					
<b>RDT&amp;E PMC</b>	<b>\$6.4M \$199.3M</b>	<b>\$4.4M \$154.4M</b>	<b>\$6.6M \$90.5M</b>	<b>\$3.9M \$91.1M</b>	<b>\$ - \$128.0M</b>	<b>\$ - \$121.0M</b>
<b>Engineer Systems</b>	<b>Assault Breacher Vehicle / Route Clearance</b>					
	<b>Tactical Fuel Systems / Water Purification and Distribution System</b>					
	<b>Family of EOD Equipment / Bridging and Engineer Modification Equipment</b>					
	<b>Family of Materiel Handling and Family of Construction Engineer Equipment</b>					
<b>RDT&amp;E PMC</b>	<b>\$0.5M \$48.8M</b>	<b>\$0.6M \$25.4M</b>	<b>\$0.9M \$34.1M</b>	<b>\$1.0M \$35.0M</b>	<b>\$1.0M \$37.1M</b>	<b>\$1.0M \$37.3M</b>
<b>Expeditionary Power Systems</b>	<b>Advance Power Systems and Equipment / On board Vehicle Power</b>					
	<b>Mobile Electric Power / Environmental Control Equipment / Containers</b>					



## PG 15: Ground Transportation and Engineer Systems

- **PM Engineer Systems**
- **PM Expeditionary Power Systems**
- **PM Motor Transport**

### Competency Alignment Team

- Business Manager: *Jack E. Cave*
- Operations Manager: *Wanda McLennan*
- Contracts Manager: *Lynn Frazier*
- Lead Financial Manager: *Steven E. Costa*
- Lead Engineer: *Matthew McBride*
- Lead Logistician: *Jeffrey L. Davidson*
- Science and Technology: *Scott Story*
- Manpower, Personnel, and Training: *Kevin Scott*



## PG 15: Ground Transportation and Engineer Systems

- **PM Engineer Systems**
- **PM Expeditionary Power Systems**
- **PM Motor Transport**

### **Areas of Opportunities**

1. Material Handling/ Construction Equipment
2. Engineer Support Equipment
3. Combat Engineer Equipment
4. Motor Transportation
5. Expeditionary Powers Systems





# Material Handling/ Construction Equipment



## OPPORTUNITIES

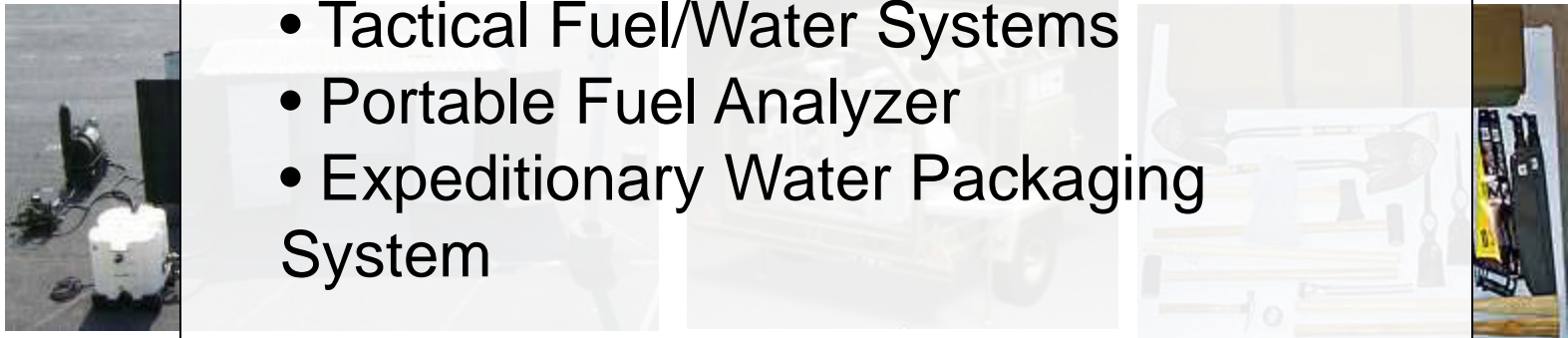
- Lightweight Rough Terrain Forklift
- Extendable Boom Forklift
- Matting System



# Engineer Support Equipment

## OPPORTUNITIES

- Tactical Fuel/Water Systems
- Portable Fuel Analyzer
- Expeditionary Water Packaging System





# Combat Engineer Equipment



## OPPORTUNITIES

- GPR Mine Detector
- Mine Rollers
- Robots



# Motor Transport

## OPPORTUNITIES

- Heavy Trailers (40/50 ton MHETs)
  - Suspension systems
  - Tire technology
- HMMWV Recap
  - Roll over protection
  - Lighter weight armor solutions
  - Driveline improvements to the vehicle
  - Implementation of stability control
  - Improved blast mitigating seats and restraint systems
  - Improved fire suppression



# Power Systems



## OPPORTUNITIES

- Family of Environmental Control Units
- Joint Modular Intermodal Container
- Lithium Ion Battery Charger
- Radio Power Adaptors
- Ruggedized Power Supply
- Generator micro-grid for energy efficiency - Broad Agency Announcement
- Lighten the Load power management at the individual Marine level
- Tactical Renewable Expeditionary Energy Systems with Broad Agency Announcement





# QUESTIONS ?

- PM Engineer Systems
- PM Expeditionary Power Systems
- PM Motor Transport

## Product Group 15 Team

Director: *Colonel Mike Micucci, USMC*

Business Manager: *Jack E. Cave*

Operations Manager: *Wanda McLennan*

Contracts Manager: *Lynn Frazier*

Lead Financial Manager: *Steven E. Costa*

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