

Depot Contributions to Weapon System Readiness...Innovation



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Logistics Solutions for the Warfighter



Marine Corps Depot Maintenance Program



- **Maintenance Centers Albany, Georgia and Barstow, California**
 - \$515M FY06 New Orders
 - 14,869 Principal End Items (PEIs) Completed
 - 16,225 Secondary Depot Repairables (SDRs) Completed
- **Core Competency is Multi-Commodity Depot Maintenance**
 - Approximately 2700 personnel on-board
 - 75% of workforce is cross-trained in 70 different trade skills
 - Approximately 700 active repair lines





Improvement Initiatives

Entry level capability to reserve the right to play

ISO 9001
(1998)

THEORY OF CONSTRAINTS
(2001)

MRP II
(1997)

EARNED VALUE MANAGEMENT
(1998)

LEAN
(2001)



Operational Maintenance Support

Depot effort cannot be confined to a location

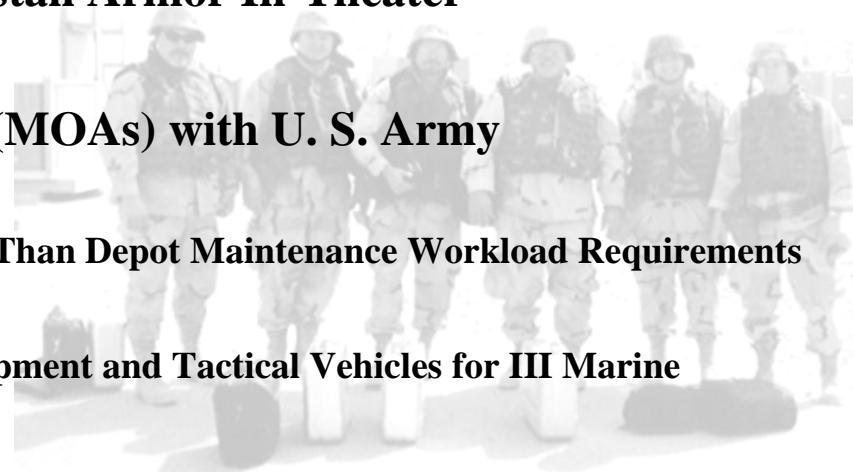
- **Deployed Rapid Response Contact Teams World Wide**
 - LAV Repair in Okinawa
 - Javelin Repair/Software Upgrades/Training Support in Iraq
 - TOW Launcher/Night Vision Sight Repair and Hand-off in Taiwan and Oman
 - Night Vision Training in Israel
 - Firefinder Radar Repair and Hand-off in Egypt and India
 - PAXMAN Engine Overhaul/Repair in Bahrain and Philippines
 - Combat Gear Assessment in Kuwait
 - MTRV Repair in Virginia and California
 - 7.5T Crane Fielding in Okinawa
 - LVS Inspection in Texas
 - LAV A2 Upgrade in Canada
 - MK15 Trailer Upgrade and Modification in Okinawa
 - Hands-on Training and Technical Support to the FMF
 - Mechanical Test Equipment Training and Technical Assistance





Operational Maintenance Support (con't)

- **Deployed over 60 Logistics Command (LOGCOM) personnel in MEF-Facing Support Roles**
- **Deployed 11 LOGCOM personnel to Twenty-nine Palms in support of Operation Mojave Viper**
- **Contracted Honeywell and Oshkosh to install Armor In-Theater**
- **Developed Memorandum of Agreements (MOAs) with U. S. Army**
 - **Army Materiel Command**
 - **In-Theater Maintenance Support for Less Than Depot Maintenance Workload Requirements**
 - **MOA with Army in Korea**
 - **Maintenance Support of Engineering Equipment and Tactical Vehicles for III Marine Expeditionary Force (MEF)**





Armor: Generations I and II



Generation I

L-shaped Door

Generation II

HMMWV

Rocker Panel Protection, Underbody, L-Shaped Doors, Gunner Shields



Flank Armor



HMMWV

Underbody



Armor: Generation III (Integration)



D7G Dozer



HMMWV



Motorized Road Grader



P19 Firetruck



MTVR

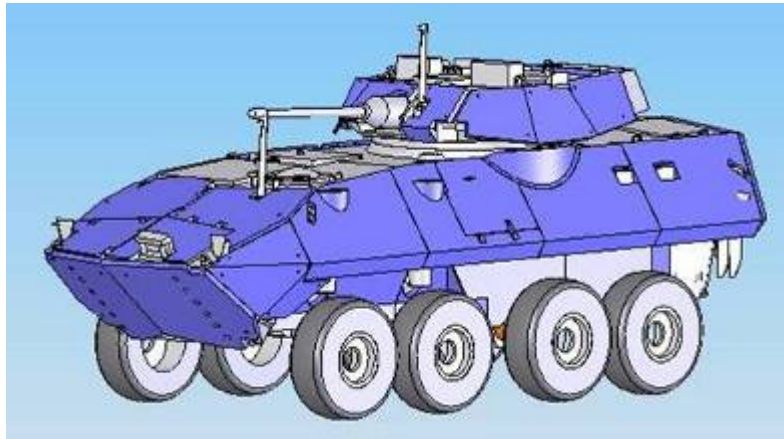


Armor Production (Generation I, II, III)

High Mobility Multipurpose Wheeled Vehicle (HMMWV)	26,009
Medium Tactical Vehicle Replacement (MTVR)	3,540
5-Ton Truck	329
P-19 Firetruck	15
Logistics Vehicle System (LVS)	653
Gunner Shields	5,053
Motor Road Grader	10
D7G Dozer	32



LAV-A2 Upgrade Program



Survivability Upgrade Features

- Ballistic Protection Upgrade Package (BPUP)**
- Armor**
- Gen II Suspension**
- Automated Fire Suppression System**



Special Operations Command (SOCOM) Turret



- Improve a lightweight gunner shield for the M1152 HMMWV
- Fabricated initial prototype
- Final design in-process
- Production scheduled to begin in Nov 06





M1114 Frag 5 Project

Tasked MCA to develop new improved door for the M1114

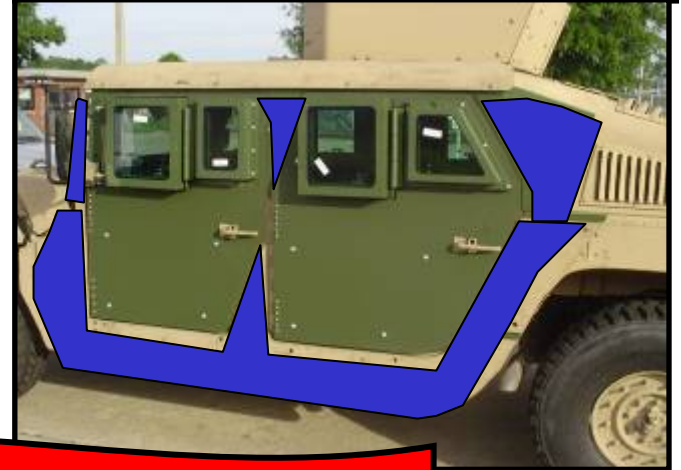
- RHA plus full mild steel overlay
- Tighter tolerances, no gaps
- Add second window
- New combat lock system



Original M1114 Door



Improved door with rocker panel upgrade highlighted



1st Kit installed in Iraq 9/21/06



MTVR Improvised Explosive Device (IED) Roller



- Designed to set off IED's from 8' to 24' in front of truck
- Uses 11 standard HMMWV tire assemblies for 100% coverage
- Uses off-road shocks for stability



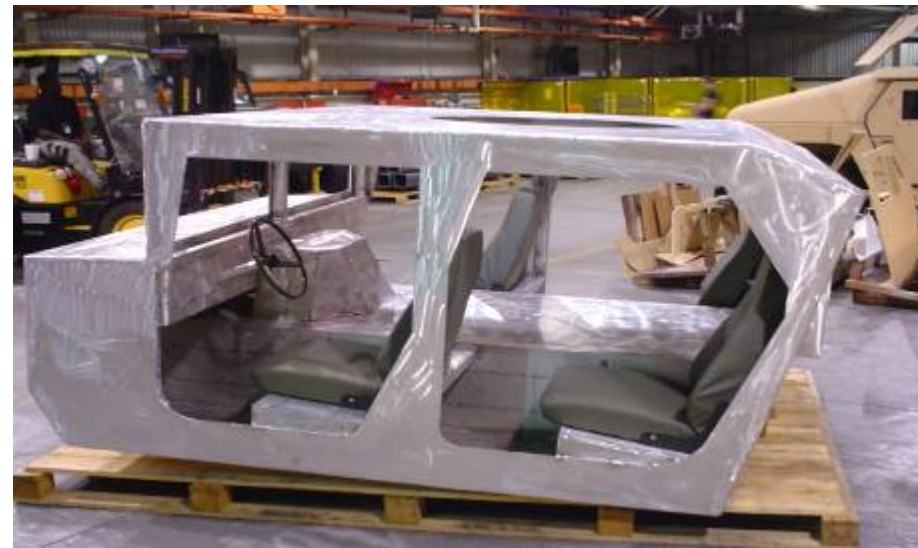


HMMWV Egress Assistance Trainer (HEAT)



--Designed and fabricated the first Marine Corps HEAT Trainer

--Second prototype effort underway. Prototype involves fabricating simulated M1114 HMMWV cab to reduce safety concerns and reduce refurbish time.





Summary



Questions?