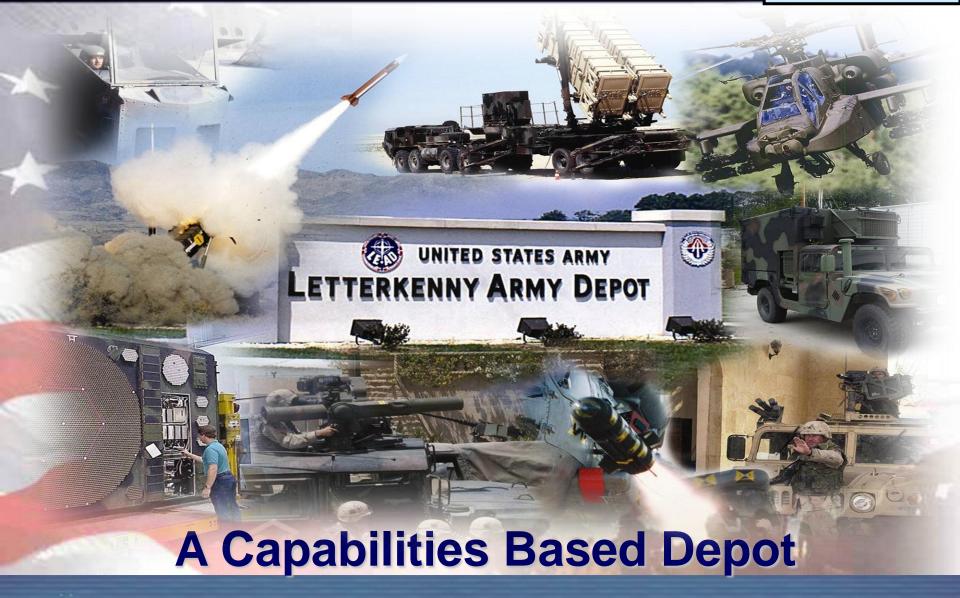
ISO 9001 Registered

ISO 14001 Registered

OHSAS 18001 Registered



VISION

LEAD is the depot of choice for Industry, Government, and the Greatest Warfighters in the world.

MISSION STATEMENT

Deliver superior maintenance, manufacturing, logistics, life cycle support and service worldwide to the Joint Warfighter and our Allies.

Keys to success:

- Cost—deliver goods and services to supported agencies at the lowest cost possible
- Quality—deliver goods and services to supported agencies IAW quality parameters established by contract and specifications
- Schedule—deliver goods and services to supported agencies on or before required delivery date
- People— develop personnel to ensure: Personnel growth, motivation and cost/quality/schedule
- Growth— grow the business

COMMANDER'S FOCUS

Depot Commander Priorities

- Maintain/provide a safe, effective and efficient work place
- Gain visibility of the business evolve LMP into a viable enterprise resource planning tool
- Meet cost, quality and schedule goals/metrics across all depot functions
- Continually improve every day
- Professionally develop our human capital

CG, **AMC** Priorities

- Support the Warfighter
- Instill a culture of efficiency and resourcefulness
- Consolidate and optimize our capabilities
- Provide global expeditionary logistics
- Network the logistics enterprise
- Build partner capacity

CG, AMCOM Priorities

- Support the Soldier throughout the ARFORGEN Cycle
- Enable, support and improve weapon system life-cycle success, Including S&T
- Recruit, develop and sustain a top performing workforce
- Integrate a culture of efficiency without sacrificing effectiveness
- Leverage ME relationships and collaboration to derive measureable benefit to the Soldier
- > Assure technology protection

TASK ORGANIZATION



ORGANIZATIONAL CHART





Anita Raines

Deputy to the Commander





MSG Joseph







Industrial Operations



Risk Management



Information Management



Product Assurance



Resource Management



Public Works



Readiness Monitoring Facility



Supply and Transportation



Contracting



Melinda Knarr

Legal





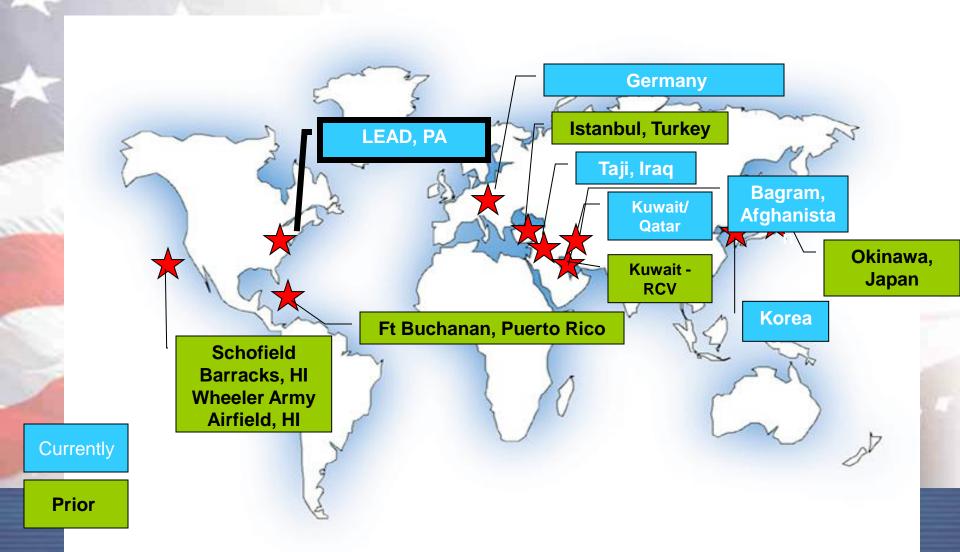








WHERE WE ARE



THE INDUSTRIAL COMPLEX



18,668 acres

Industrial Operations

318K sq. ft.

3.8 million labor hours

\$175 million specialized equipment

1.47 million sq ft shop floor

\$1.54 billion infrastructure

3,836 employees comprised of:

1,737 Government; 1,295 contractor/military; and 804 tenants

Unclassified

PRODUCTION/PROCESS AREAS

1,476,149 square feet of overhaul/ process/assembly work areas



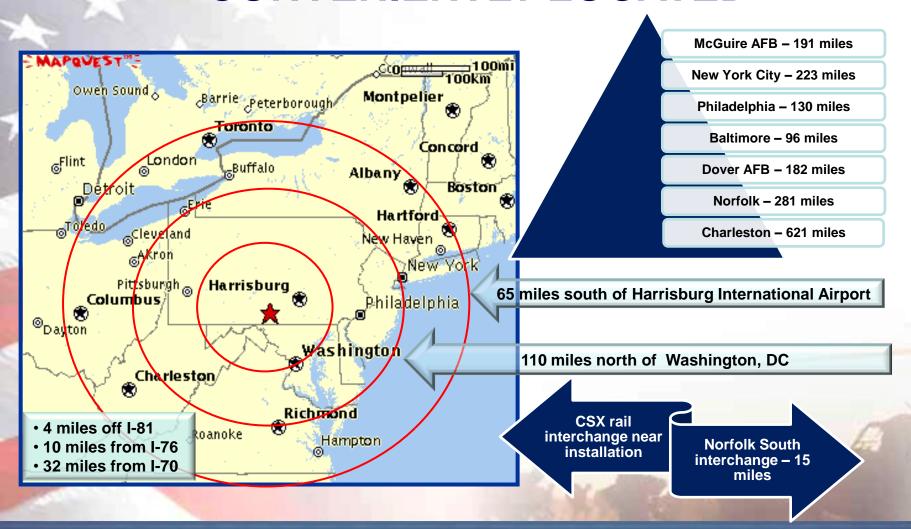
ELECTRONICS SHOPS

- 296,161 square foot electronic and missile system maintenance and equipment integration facility
- High tech facility specializing in the refurbishment of:
 - Analog/digital electronics
 - o Phased array radars
 - Engagement Control Stations
 - Information Control Centers
 - Launching Stations
 - Automatic Test Equipment (ATE)
 - Guidance and control (G&C) maintenance
 - Electronic systems integration, test, diagnostics, and repair
 - Circuit card refurbishment



Current primary emphasis:
Phased Array Tracking to Intercept of Target (PATRIOT) end items, Avenger, TOW and components of Army missile systems, e.g., Javelin, Hellfire, MLRS, and HIMARS

CONVENIENTLY LOCATED

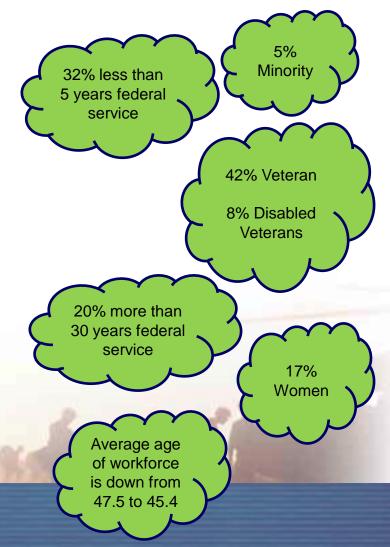


50% of the East Coast population lies within a 350 mile radius

DEPOT POPULATION

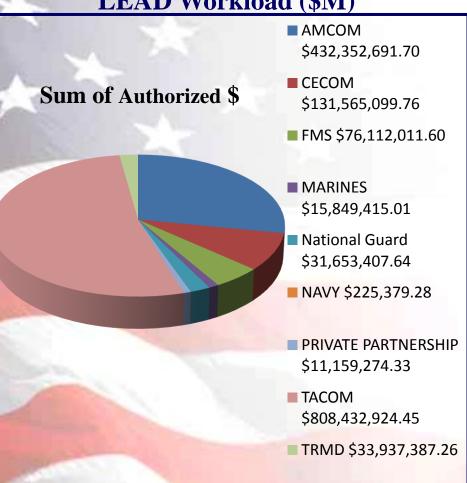
Depot Proper Total = 2871

7		O/B	O/B	O/B
	Directorate	Military	Civilian	Contractors
	Command Group	1	60	6
7	Industrial Operations	0	811	849
	Operations, Plans & Support	0	329	114
	TRMD	0	86	19
	Product Assurance	0	94	2
	Supply-Transportation	0	86	54
1	Public Works	0	120	18
1	Information Management	0	49	6
	Resource Management	0	25	0
S.	Risk Management	0	75	8
ì	PFI Soldiers	59	0	0
	Depot Total	60	1735	1076
	Authorized	1	1625	205
	15 Tenants	92	663	420

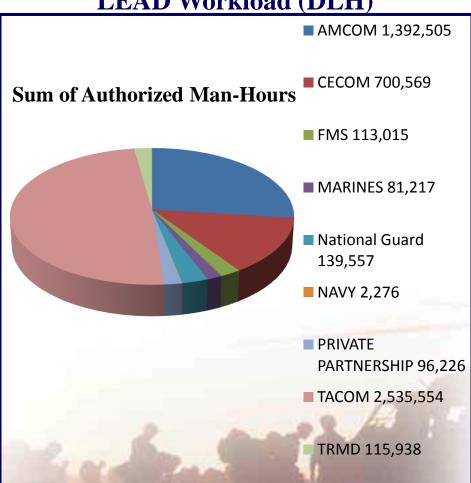


LETTERKENNY ARMY DEPOT WORKLOAD

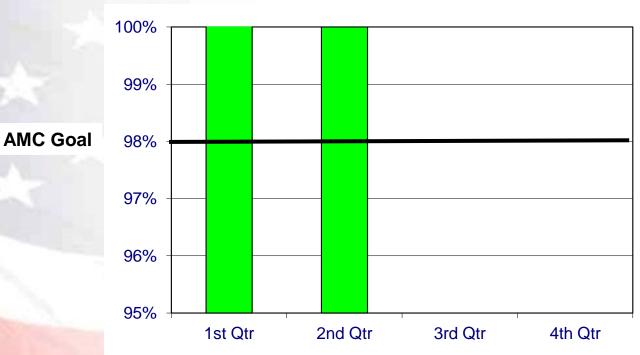
LEAD Workload (\$M)







FY12 CUSTOMER SATISFACTION



PQDRs (External) Recd	7	5	
SDRs (External) Recd	0	3	
Hotline Calls Recd	1	0	
E-mails Recd	3	1	
Surveys Recd	15	5	
Customer Calls	15	15	
Items Shipped	35030	22125	

Green = 98%> Amber = 85% - 97.9% Red = < 85%

#1 PAYROLL IN SOUTH CENTRAL PA #1 INFORMATION TECHNOLOGY EMPLOYER

\$215M INSTALLATION PAYROLL Approx. \$267M into COMMUNITY

CONTRACTS (FY11) WORLDWIDE: \$208M

PENNSYLVANIA IMPACT: \$109.9M or 53%

Average LEAD Salary:

\$60,686

Average County Salary:

\$37,920

Average State Salary:

\$42,040

15 Major Tenants

- Defense Information Systems Agency (DISA)
- Letterkenny Munitions Center (LEMC)
- Computer Science Corporation (CSC)
- U.S. Army TMDE Support Center (TMDE)
- CECOM Industrial Logistics System Office (ILSO)
- 99th Reserve Readiness Command (99th RRC)
- U.S. Army Material Systems Analysis Activity (USAMSAA)
- U.S Army Health Clinic
- Defense Reutilization & Marketing Office (DRMO)
- Lower Tier Project Office, PATRIOT Office
- Defense Automated Printing Service (DAPS)
- U.S. Army Civilian Personnel Advisory Center (CPAC)
- ACC, Directorate of Contracting
- Baltimore District Army Corps of Engineers
- Patriot Federal Credit Union



The Premier DOD Center of Industrial & Technical Excellence for

Air Defense & Tactical
Missile Ground Support Equipment

Mobile Electric Power Generation Equipment

Phased Array Tracking to Intercept of Target (PATRIOT) Missile Recertification



Route Clearance Vehicle (RCV)

CITE Request Submitted

Unmanned Aerial System (UAS) - Ground Support

Future CITE Initiatives

Force Provider

Material Handling Equipment

LEAD CERTIFICATIONS

ISO 9001 - all employees

ISO 9001 Certified LEAD Auditor - Required for: Proponent identifies required participants

ISO 9001:2000 - General Overview - Required for: Proponent identifies required participants

ISO 9001:2000 - Auditing - Required for: Proponent identifies required participants

ISO 9001:2000 - ISO Introductory for Senior Management Overview - Required for: Proponent identifies required participants

ISO 9001:2000 Internal Auditor Training - Required for: Proponent identifies required participants

ISO 14000 (Mgt/Leadership) - Required for: Commander, Deputy Commander, Directors and all Union Presidents

ISO 18000

LEAD Employee Certifications Certifications are tracked in Training Management Software (TMS)

Apparatus Driver/Operator Aerial - Required for: GS-081 Series **Apparatus Driver/Operator Pumper -** Required for: GS-081 Series

Defense Packaging of Hazardous Materials for Transportation - Required for: Civilian and military handlers, packers, inspectors, and preparers (certifiers) of hazardous materials

Electrostatic Discharge (ESD) - Required for: Viewing as identified by the supervisors (Supervisors, Electronic Mechanics and Electronic Measurement Mechanics)

Hazardous Material Awareness - Required for: GS-081, GS-018 personnel

Hazardous Material Incident Command - Required for: GS-081-12, 081-10, 081,08, 081-07, 018-11 (

Hazardous Material Operations - Required for: GS-081-12, 081-10-, 081-08, 081-07, 081-05, 081-06 and GS-018-11

Hazardous Material Technician - Required for: GS-081-12, 081-10, 081-08, 081-07, 081-06, 081-05 and 018-11

NDT Liquid Dye Penetrant, Level I, Level II, & Level III (Non-Destructive Testing) - Required for: NDT operators.

NDT Magnetic Particle, Level I, Level II, & Level III (Non-Destructive Testing)

NDT Radiographic, Level II, & Level III (Non-Destructive Testing) - Required for: Employees who currently hold Radiographic Certificates

NDT Visual Weld Inspection Instructor - Required for: Anyone teaching and testing the Visual Weld Inspection Course

NDT Visual Weld Inspector - Required for: Anyone inspecting welds visually

Radar Use - Required for: GS-0083 and GS-0085 employees who operate radar equipment

Selective Electrodeposition of Metals (Sifco Process) - Required for: Electroplating Workers in 3711 series

Soldering Certification (Basic) - Required for: Employees who solder, not job specific

Soldering Certification (Micro-miniature) - Required for: Employees who solder components on circuit boards or do circuit board repairs, not job specific **Soldering Instructor Certification (Basic and Micro-Miniature) -** Required for: Employees who solder and want to teach basic and micro-miniature soldering

certification and basic and micro-miniature sold certification and basic and micro-miniature sold certification and basic and micro-miniature recertification, not job specific.

PARTNERSHIPS WITH INDUSTRY

*2003 - Present

LEAD & Partners Growing Together

Maintains core capability

Maximizes facility utilization

Provides industry with flexibility and options

Leverages the strength of industry partners

Opens the door for more business to industry



Partnership Man-Hours

Lockheed Martin, GE & Eaton Vickers & Harris HIMARS



Manitowoc Crane Grp AT422T Crane

Summa Technologies
FMS Shelters & Generators











BAE Systems MRAP/MMPV



Lockheed Martin TADS PNVS



PATRIOT Launcher



PATRIOT Missile



Lockheed Martin WCMD



Lockheed Martin Javelin



AAI Corp Shadow TUAS

The Department of the Army's partnership strategic goal is to continue to grow and expand partnerships between Army depots and private industry.

Unclassified

LEAD PARTNERSHIP

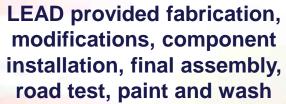
New Build Phased Array Tracking to Intercept of Target (PATRIOT) Launchers



- Build new PAC-3 PATRIOT Launchers
- First Article qualification was awarded for all fabricated items
- Various cable and mechanical sub-assemblies are fabricated by LEAD
- Assemble and integrate specifications
- Complete top coat with water soluble chemical agent resistant coating (CARC) paint
- A Comprehensive Documentation Package is developed for each launcher
- Complete system simulation and testing

MINE RESISTANT AMBUSH PROTECTED (MRAP) PRODUCTION





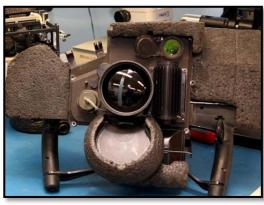




JOINT PARTNERSHIPS







Command Launch Unit (CLU) Testing and Repair



- Repair
- Programming
- Test
- CAT 3 Storage



Optical Interface (OIF) and Forward Looking Infra-Red (FLIR) Circuit Card Testing and Repair

CONTINUOUS PROCESS IMPROVEMENT

Employee Involvement



Lean Success - FY12 (Oct.-Feb.)

- **Completed 3 Value Stream Analysis** → Completed 3 Value Stream Analysis
- **▶9 Rapid Improvement Events**
- >WPU savings \$9,255,638
- >WPU year end projected savings \$17.3M

Lean Success - FY11

- **Completed 15 Value Stream Analysis** → Completed 15 Value Stream Analysis
- >33 Rapid Improvement Events
- >WPU Savings \$ 36,561,927



8X Shingo Recipient

PATRIOT '05
HMMWV '06
HMMWV '07
Power Generator '07
BIDS '08
PATRIOT 08
PATRIOT '10
AGPU '11

Value Added Results



Hands on Action



41 Two Piece Summaries YTD



PRODUCTS OVERVIEW



TUBE-LAUNCHED, OPTICALLY-TRACKED, WIRE-GUIDED (TOW) MISSILE DEPOT MAINTENANCE REPAIR



LAND SCAN

The U.S. Army scans the landscape surrounding Vehicle Patrol Base Badel at the mouth of the Narang Valley in Konar province, Afghanistan, 9 May 2009. The base closed down enemy activity in the valley and in Narang, Chowkay and Nurgal districts. U.S. Army photo by SGT Amber Robinson.

Letterkenny Provides Integrated Support for:

TOW GROUND

TOW BRADLEY

TOW COBRA

ITAS

IBAS

This image is a work of a U.S. Military or Department of Defense employee, taken or made during the course of the person's official duties.

Total Depot Level Support for the TOW Missile Family

TOW GROUND COMPONENT REPAIR



Optical Sight



Traversing Unit & Launcher Tube Assembly



Missile Guidance Set

Depot Maintenance Overhaul - System Rebuild/Modification - Fielding Support - Technical Training



Multi-Layer Circuit Card Testing and Repair



DIT-MCO Testing



Cable and Harness Repair/Fabrication

TOW BRADLEY COMPONENT REPAIR



Circuit Card Testing & Repair



Cable and Harness Repair/Fabrication



DITMCO Testing



Launchers



Missile Guidance Set (MGS)



Bradley Test Sets

Depot Maintenance Overhaul - System Rebuild/Modification - Fielding Support - Technical Training

PHASED ARRAY TRACKING TO INTERCEPT OF TARGET (PATRIOT) RECAP PLAN

LEAD is DOD's *only organic solution* for one-stop service for tactical missile maintenance, modification and integration.

LEAD possesses all the specialized capabilities that support *Total* weapon system maintenance including: manufacturing, storage, certification, GSE rebuild,

CONUS and OCONUS support, and final demilitarization.



4 Radars



32 Launchers



3 Communication Relay Groups

Mission: Recap program will bring the ground support system to near zero hours/miles and apply the PAC-3 modernization program upgrades.



4 Engagement Control Stations



1 Information Control Central



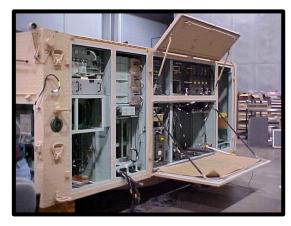
8 Antenna Mast Groups

PATRIOT RADAR

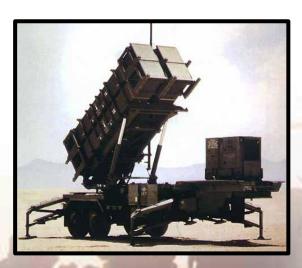
- Complete disassembly of all electrical and mechanical sub-assembles
- All sub-assemblies are tested down to the lowest possible level in accordance with Depot Maintenance Work Requirements (DMWRs)
- Final test for System Integration Checkout (SICO) using factory test equipment

PATRIOT LAUNCHER

- Complete recap of launcher system
- Complete disassembly
- Corrosion removal and sand blast parts
- Parts are replated and exterior parts coated with Chemical Agent Resistant Coating (CARC) paint
- Reassemble and install all new hardware
- Complete testing



PATRIOT Radar



PATRIOT Launcher

PATRIOT ANTENNA

- Each phased array radar antenna element is removed
- All elements radio frequency tested individually on the General Purpose Electronic Test Station (GETS-1000)
- Antenna interior/exterior panels disassembled
- Radio frequency retainer/shield replaced
- Motors/actuators rebuilt
- Coaxial/triaxial cables replaced



PATRIOT Antenna

ANTENNA MAST GROUP (AMG)

- Complete recap of AMG Assembly
- Complete disassembly
- Corrosion removal and sand blast parts
- Reassemble and install all new hardware
- Paint
- Complete integration and testing



PATRIOT AMG

THE TEST SITE

- PATRIOT radar and AMG systems tested at the 28-acre test facility located on the depot
- One of three places in the U. S. capable of mapping the antenna array
- Includes a pattern range for radar performance testing and a 1350 square foot, 24-foot high thermal chamber to simulate temperature extremes



Test site



Thermal chamber

WORK PERFORMED ON PATRIOT MAJOR ITEMS

- Major Items: disassembled down to the circuit card level and tested
- All major parts and sub-assemblies (i.e., cabinets, brackets, cover plates): totally stripped of paint; some hardware is stripped, plated, and reused
- Each item replated and painted IAW DMWR/TMs
- Stenciling and silk screening markings applied IAW DMWR/TMs
- Chassis: disassembled, stripped, re-plated/painted and marked, reassembled and tested
- Circuit cards: sent to test on the GETS and replaced or repaired as required
- Wire harnesses: replaced or refurbished according to configuration requirements
- All assemblies and sub-assemblies: rebuilt IAW configurations and DMWR/TMs
- Testing: complete radar test and integrated system tests performed on 28-acre radar test site
- Parts fabricated on site that are not available for purchase
- Quality standards: checked at various steps in the assembly process by certified quality control inspectors

HIGH MOBILITY ARTILLERY ROCKET SYSTEM (HIMARS) COMPONENT REPAIR

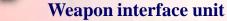




Travel lock actuator

Mission--Repair select HIMARS Components:









Hyd reservoir assembly

- Repair of select HIMARS components
- Diagnostics of mechanical, hydraulic and electronic components
- · Disassembly, repair, resealing, testing and certified inspection



Power switching unit

AVENGER OVERHAUL



LEAD Statement of Work includes:

- Direct support and depotlevel repairs
- Secondary item repairs
- Joint final inspection by LEAD, unit, and IMMC





LEAD provides:

- Complete A1 overhaul & Reset
- Direct and general support for CONUS and OCONUS locations
- Final hand-off inspection at a designated unit location
- New Equipment Training (NET) at Battalion and Brigade field maintenance activities

LEAD has provided Avenger depot-level maintenance and total fleet maintenance to National Guard Bureau, Marine Corps, and Foreign Military customers since 1992.

M997 AMBULANCE OVERHAUL/REBUILD



- LEAD overhauls Army National Guard M997 Ambulances
- · Upgraded powertrain and air conditioning systems installed
- 1000 ambulance overhaul potential
- Utilize assembly lines (Lean manufacturing principles) for HMMWV and shelter repair for optimum results (cost and quality benefits)



ROUTE CLEARANCE VEHICLE

On order from TACOM Program Manager – Assured Mobility Systems establish a Fleet Modernization Activity in Kuwait for US Army and Marine Corp Route Clearance Vehicles (RCV) along with selected USMC and Army Mine Resistant Ambush Protected (MRAP) assets. Success will be achieved by attaining a sustained production rate of 32 vehicles per month at the mid point of a three year effort with total fleet repair and modernization as the end state objective.

Cougar



Husky MKII



RG31



Buffalo



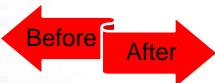
JerrV



Unclassified

GROUND MOBILITY VEHICLE (GMV) RESET





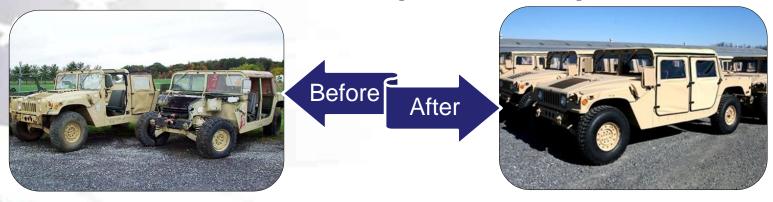








HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE (HMMWV)





With the implementation of Lean manufacturing, LEAD was able to move from 100 vehicles per month to 300 vehicles per month in less than 60 days.

GROUND MOBILITY VEHICLE (GMV) RESET





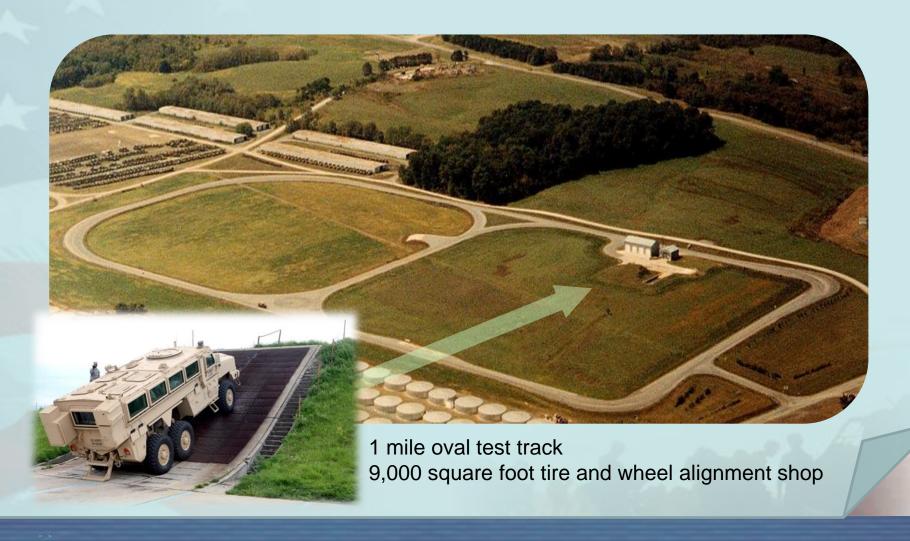








WHEELED VEHICLE SUPPORT - TEST TRACK



POWER GENERATOR RESET

Tactical Quiet Generator product line includes:

5kw, 10kw, 15kw, 30kw, 60kw, 100kw and 150kw

LEAD is the Center of Technical Excellence for Generators













Current monthly production – 470 (funded FY12: 4765 assets)
FY11 production: 5106 assets

AVIATION GROUND POWER UNIT (AGPU)

AGPU New Build Program

Service Life Extension Program (SLEP) and Reset Program





- Letterkenny is the AGPU Reset "Gold Site"
- All CONUS AGPUs will be reset at LEAD

Reset: Current monthly production = 5; authorized 64 each for FY12

New builds: monthly production = 8 starting in April 12; authorized 122 each for FY12 and 13

2011 BRONZE SHINGO MEDALLION AVIATION GROUND POWER UNIT NEW BUILD



"This recognition demonstrates a continuous commitment to improvement and excellence. I am proud of LEAD employees' commitment to the Warfighter, the flexibility and adaptability of the workforce, and their pride in workmanship." –COL Cheri Provancha

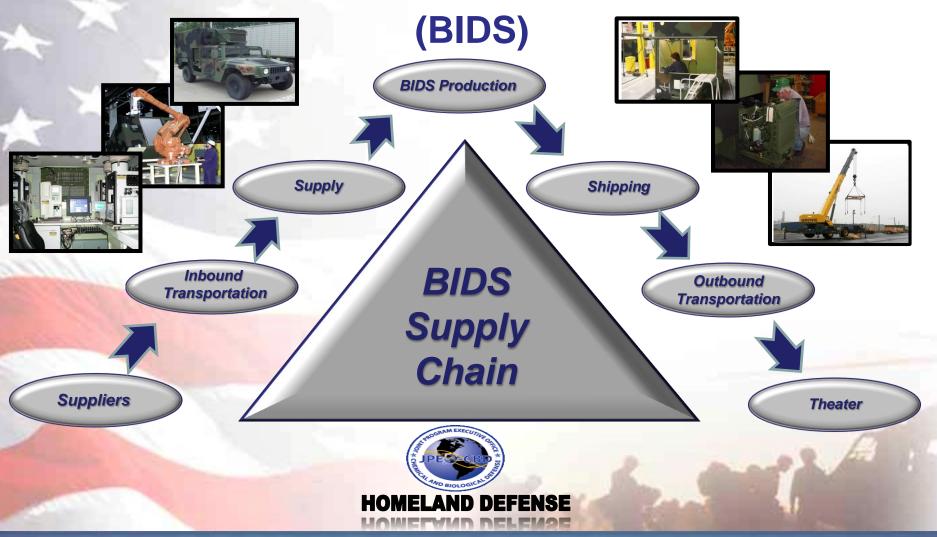
"What an amazing commitment at all levels.

Very impressive."

Paul Terry, Shingo Audit Team Leader



BIOLOGICAL INTEGRATED DETECTION SYSTEMS



SHELTER MAINTENANCE AND REPAIR



AAI Shelters



Patriot Shelters

- Receive used, worn and damaged shelters and return them to code A condition
- Value Stream Analysis studies reduced cost, streamlined production methods, and shortened turnaround time to field these vital assets to the Warfighter as quickly as possible at minimal cost

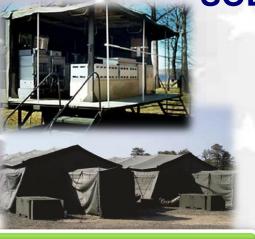


250 and 280 Shelters



BIDS Shelters

SOLDIER SUPPORT EQUIPMENT



Shower Refurb & Fielding

Mobile Kitchen New Build

Containerized Kitchens









Stock, Store and Issue

RESET



LEAD prototyped the mobile kitchen and developed National Maintenance Work Requirement criteria

MATERIAL HANDLING EQUIPMENT



10K AT Forklift

CONSTRUCTION EQUIPMENT



7.5 Ton Cranes





LEAD is the National Guard Bureau's "Depot of Choice"

ADDITIONAL MECHANICAL CAPABILITIES

Shelter repair and assembly shops

Total of 53,000 sq. ft.

12,000 sq. ft. shelter body repair area with 2x 5 ton cranes

Services range from minor repairs, upgrades, overhauls to complete rebuilding, including structural beams, sheet metal, punctures,

electrical systems, seals and air conditioners

Heat Treatment

2 x heat treat ovens - 18" w x 72" L x 24" high up to 2400 degrees.

High bay, heavy crane work space

128,000 sq. ft. in 3 different buildings supporting cranes up to 10, 20 and 60 tons

Modular work cells/stations

All work cells are configured for rapid start-up of new production lines or work cells All work areas are supported with overhead cranes

CAPABILITIES OVERVIEW

- · Electronic systems integration
- · Radar testing
- · Antenna pattern testing
- · Multi-layer circuit board repair
- · Missile maintenance
- · Diagnostic testing
- · Wiring harness fabrication
- DIT-MCO testing
- Fiber optic cables
- J-STD-001 soldering
- Clean room environment
- Shielded room environment
- Electric motor rebuild



- Sheet metal fabrication
- Machine shop
- Armor kits
- Welding
- Metal pretreatment
- Metal plating & painting
- · Generator overhaul
- · Automotive recap
- Hydraulics
- · Heat treatment
- Blasting
- Non-destructive testing
- · Precision measurement
- Upholstery fabrication
- · Weld testing/certification
- 3-D printing
- Reverse engineering

TECHNICAL PUBLICATIONS/ENGINEERING DESIGN

Staff:

- Technical Writers
- Editors
- Desktop publishers
- Engineers
- CADD design pros



28 years experience:

- Depot Maintenance Work Requirements (DMWR)
- Technical Manuals (TM)
- Process Instructions
- Technical Data Packages (TDP)



Publication capabilities:

- Extensible Markup Language (XML)
- CADD design software and reprographic services
- Microsoft Office, Adobe Acrobat, Adobe Photoshop

Model Based Engineering (MBE) utilizing multiple CADD and parametric design platforms to:

- Analyze and design
- Develop reverse engineer systems to development test procedures
- Provide Technical Data Packages
- Develop performance standards
- Provide manufacture-ready engineering designs



ENGINEERING DESIGN AND DEVELOPMENT SUPPORT

Experience

 Decades of experience teaming with program managers, major subordinate commands' material developers, engineering development teams, configuration control boards, and source selection evaluation boards

Performance

Proven performer in adding high value to the customer's program

Flexibility

- Flexibility in designing and working at the shop level to fabricate prototype systems
- Work with customers to suggest changes for producibility enhancement and cost reduction



Special Forces Ground Mobility Vehicle

Response

Immediate response to changes in direction, requests for technical documentation, and support to the customer throughout all phases of the project including field logistics and technical support

VALUE ENGINEERING

Best Value

Expert Service

Problem Solving

- Over five decades of production experience
- Institutional knowledge of DOD armament systems
- Instinctive ability to maximize weapon system sustainment
- Experts in the field of service life enhancement
- Restore worn components to like-new condition
- Fraction of the cost of new acquisition
- Simplify customers' logistics problems
- Respond to part nonavailability
- Reverse engineering and fabrication services



MLRS Actuator Screw Acquisition Cost: \$5,773 Repair Cost: \$92



PATRIOT Coupling
Acquisition Cost: \$13,909
Repair Cost: \$85

SAWS



'Raw stock prepping'
-Materials are sawed to length for processing in shops
-Raw material stored in the ASRS building and pulled as required

Machine Type (Controls	Model	Sizes	Qty

SAW	CNC	18"W x 140"L x 16"H	1
Saw	CNC	20"W x 120"L x 12"H	1
Saw		23"W x 140"L x 20H	1



SHEET MATERIAL MACHINING AND CUTTING

Haas CNC Router

-Vacuum table
-Clamping
magnet/quick
change over
-Mills full sheets of
material
-Currently used to
drill and tap armor
plating for gunner
protection kits





Machine Type	Power	Capacity	Sizes	Qty
Cincinnati Laser:	4K WATT	1" THICK STEEL/.5" Thick Alum.	10'L x 5'W	2
STRIPIT Laser:	6K WATT	1.25" THICK STEEL/ .5" THICK Alum.	13'L x10'W	2
ESAB Plasma, Hi-Def:	600 AMP	6" THICK STEEL/4" Thick Alum.	12'Lx8'W	1
Punch Press:	.25 Thick	Trump Turret, .25" Thick Material	10"Lx4'W	1
Hangar Insert Machine:	NA	w/Hardware Attachments	Various	1
Stamp machines (2)				





FLOW-water jet
-87,000 PSI 12'x6'
-55,000 PSI 4'x4'
-Cuts up to 8" thick
(steel, aluminum,
wood, rubber,
armor, composites,
glass, plastic are
common
materials)



Products include:

- •Gunner protection kits
- Vehicle armor plating kits
- Armor boxes
- Avenger bustle boxes
- Buffalo kits

SHEET METAL CUTTING



PAR 5 Axis Water Jet Cutting Machine 90,000 PSI



Machine Type	Pressur	e Capacity	Sizes	Qty
PAR Waterjet:			12' L x 8'W	1
Flow Waterjet:		_	12' L x 8'W	1
Flow Waterjet			4' L x 4'W	1

BRAKE PRESS OPERATIONS



CNC STRIPIT Brake Press



-Heat inductor used to pre-heat material in order to prevent cracking in titanium armor and other thicker materials

Machine Type	Controls	Model	Sizes	Qty
CNC Strip-It Brake:	Easy Form		350 TONS OF PREASURE	1
CNC Strip-It Brake	PPEB		150 TONS OF PREASURE	1
CNC Trumph Brake:			100 TONS OF PREASURE	1
Davi Plate Roller		-	22	1

Rapid Machining Cell



Machine Type	Controls	Model	Sizes	Qty
Mill	CNC	TM2	10"W x 45"L x 17"H	1
Mill	CNC	TRAK 5	12"W x 42"L x 36"H	1
Mill	CNC	TRAK 5 W/ Programmabl Spindle	12"W x e 48"L x 36"H	1
Mill	CNC	TRAK 7	15"W x 60"L x 36"H	1
Mill	MANUAL	BRIDGEPORT	10"W x 36"L x 36"H	1

-Intuitive Programmable Machining
-Fast turnaround time for engineering
prototype concepts to end product,
often overnight
-Small parts runs

-As part of a Lean Green Belt Project, the purpose of the cell is to prototype and prevent production interruption

CNC HAAS EC

1600/4Axis

Horizontal

Boring Mill





-2 Heads/5 Axis -16,000 RPM Spindle Speed



Ingersoll 6
Axis Bridge
Mill
-CNC
-10'x40'
Table
-(Currently
being used
to work on
BIDS
Shelters,
PATRIOT
Shelters and
Launchers)
- "1 to
Infinity lot
size"



Machine Controls Model Qty Sizes Type Vertical CNC TREE MILL 10"W x 36"L x 12"H Mill CNC HAAS VF-2 14"W x 36"L Vertical 1 Mill x 16"H CNC HAAS VF-4 18"W x 52"L 2 Vertical x 18"H Mill CNC HAAS VF-5 26"W x 52"L Vertical Mill x 20"H Vertical CNC HAAS VF-11 28"W x 120"L x 20"H Mill Vertical CNC MATSURA 19"W x 55"L 1 x 16"H Mill Vertical CNC MAZAK 18"W x 52"L 1 x 18"H Mill Horizontal CNC 32"W x 64"L EC 1600-5 Mill AXIS x 36"D Horizontal CNC K&T-6 AXIS 1 Mill CNC INGERSOLL 138"W x Bridge 1 Mill 500"L x 125"H Bridge Mill CNC INGERSOLL 96"W x 264"L 1 x 96" H

Kearney & Trecker
5 Axis Horizontal Boring Mill
-CNC



Machine Type	Controls	Model	Sizes	Qty
LATHE	CNC	TRL 1840	24"W x 48"L x 12"H	1
Machine Lathe	CNC	TRL 1630	24"W x 35"L x 12"C	1
Machining Lathe	CNC	MONARCH – W/BAR FEEDER		
			W/COLLET 24"L x 2 DIAM.	
Machining Lathe	CNC	HAAS SL-20	W/CHUCK 24"L x 8' DIAM.	1
			W/COLLET 24"L x 2 DIAM.	"
Machining Lathe	CNC	HAAS TL-25	W/CHUCK 20"L x 15 DIAM.	
			W/COLLET 24"L x 4 DIAM.	"
Machining Lathe	CNC	HAAS SL-30 - W/BAR FEEDER		
			W/COLLET 24"L x 4 DIAM.	"
Machining Lathe	MANUAL	STANDARD MODERN	60" x 16" DIAM.	1
Machining Lathe	MANUAL	STANDARD MODERN	60" x 15" DIAM.	
Machining Lathe	MANUAL	STANDARD MODERN	60" x 19" DIAM.	1
Machining Lathe	MANUAL	STANDARD MODERN	38" x 22" DIAM.	
Machining Lathe	MANUAL	HARDINGE 17" x 6" DIAM.		2
Lathe/Mill	CNC	MAZAK	15" DIA. X 30"L	1

ELECTRICAL DISCHARGE MACHINING

- -Highly accurate
- -Unique shaped machining
- -Produces dies, jigs and fixtures

CNC Wire Electrical Discharge Machine







QUALITY CONTROL INSPECTION POINT

- -Optical Comparator
- -Rockwell Hardness Tester
- -Two Coordinate Measuring Machines (1 4'x6' and 1 18"x36" accurate within .0002 of an inch)





-First article test
-First article inspection
-Tagged and followed through shop



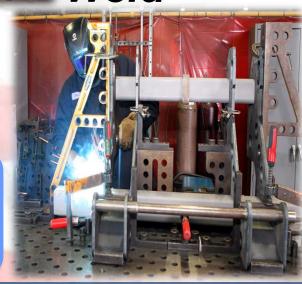
Weld

-Titanium Welding -ROBOTIC Weld Cell -BLU-CO Tables (Quick Set-up) -Carbon/Air Arc

-Carbon/Air Arc
-Gas Welding
-Aluminum, Stud, and
Fusion Welding (Gas or
Flux)

-Tungsten Inert Gas (TIG), Gas Mechanical Inert Gas (MIG)

-Manual Metal Arc (Stick) -Spot Welding 100,000 watts -Stainless Steel



Machine Type	Model	Man.	Capability	Qty
Welding Machine	Handler 180/175	Hobart	Standard	2
Amperage Machine	300 GTSW	Thermo Dynamics	Arc w/TIG	1
Welding Machine	SyncroWave 350LX/351	Miller	Welder w/TIG/Runner/ Accessories	16
Welding Machine	Miller 251	Miller	Welder Dual w/W/SP Gun	3
Welding Machine	Millermatic 251	Miller	Welder MIG	2
Welding Machine	Millermatic 252	Miller	Welder w/MIG	27
Welding Machine	NDC150-000	Nelson	System Stud	1
Plasma Cutter	Spectrum 2050	Miller	Standard	2
Welding Machine	VTSL-3400	Versa	TIG MDL, Multi-select	1
Welding Machine	Dimension 452	Miller	MIG/TIG w/F&T	26
Welding Machine	Dynasty 350	Miller	Arc Welder	3

TUBING AND HOSING MANUFACTURING



Machine Type	Controls	Model	Sizes	Qty
CNC Tube Bender:	CNC	15' LONG BED	3" TUBING	1
RMD Tube Bender:	RMD	5' LONG BED	1.5" OD TUBING	1



CNC Tubing Bender

Programmable for:

-Round stock/square stocks-Reversed engineer technology

Hose Crimping Machine:

 -Primarily used to make replacement hoses for material handling and construction equipment
 -Capable of attaching fittings to hoses up to 2" in diameter

UPHOLSTERY



Cuts materials up to 79 inches wide and 2.83 inches

GERBER cutter

thick

CNC Cutter Snap welders

-Refurbishing
-Furnishing work
-Sound and Wate
Proofing
-Cushion / Foam
Replacements
-Crew Seats and
Covers
-Canvas / Tent
Liners
-Drapes and
Curtains
-Vehicle storage
solutions
-Straps
The state of

Machine Type	Controls	Man.	Sizes	Qty
Sewing Machine:	Single Stitch	CONSEW	30" Arm	4
Sewing Machine	Double Stitch		30" Arm	1
Sewing Machine	Heavy Duty	CONSEW	20"Arm	4
Sewing Machine	Standard	ARSTIEN	20" Arm	1
Sewing Machine	Box Snitchers	JUKI		2
Knife:	Hot/Cold	SHEFFIELD	NC	2
Measuring Machine:	Measuring	MERLIN	NC	1
nsert Machine:	Standard	GROMET		2
Band Saws:	Upright	DOALL		1
abric Cutter:	CNC	GERBER		1
Grommet Machine:	ý	EDWARD SEGAL		1
Welder:	?	SINCLAIR		1
Pneumatic Foot Press	?	FASNAP		1

size from .75"x.75" to 3"x3"

REVERSE ENGINEERING

Flat bed scanner checks pattern quality and reverse engineer parts.





FARO Arm (with laser attachment scanner)
-8' measuring capability
-Tolerance +/- .002

FABRICATION CAPABILITIES AND PRODUCTS – ARMOR PROTECTION KITS



Objective Gunner's Protection Kits



Metal Machining



Welding & Fabrication



Fabrication & Assembly

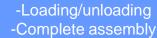


Unclassified

SPECIAL PROJECTS



-Material Inspections
-Packing and packaging
-Palletizing, boxing and crating
-Preservation wrapping
-Material pick up and delivery



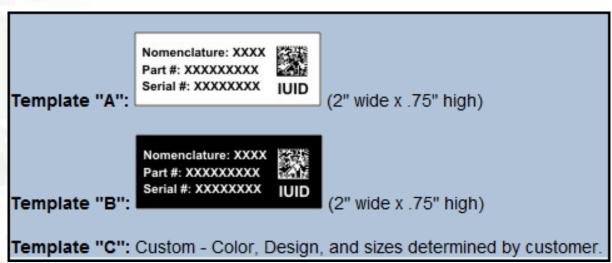






ITEM UNIQUE IDENTIFICATION (IUID) FABRICATION





Letterkenny is UIDworks© Center for Excellence

FABRICATION PRODUCTS



Rhino Counter IED systems
Fabricated exclusively at LEAD

- Machine Shop fabricates housings and brackets.
- Electronics Shop fabricates cabling & control boxes.



LEAD Rhino Team saved a crew from an EFP.... Excellent Work!!! Eric N. Erickson Jr., PM Office IED Defeat





MATERIAL PREP AND PAINT

Material Prep facilities

- 5 x drive blast booths with various blast medias available
- Large drive-in wash rack facility
- · 2 x wash racks
- Dedicated 65,000 sq. ft. building to high volume vehicle painting (in-line wash rack, sanding booths and paint lines)
- 7 x drive-in paint booths with various paint capability specializing in CARC paints
- 4 x metal pre-treat systems
- 3 x paint lines / systems





STAR4D TRAINING INSTITUTE





STAR4D Painter Training Institute

- Partnership with the University of Northern Iowa (UNI), the Iowa Waste Reduction Center and Tiburon
- Curriculum follows UNI's Spray Technique Analysis and Research for Defense (STAR4D) methodology

ELECTRONICS CAPABILITIES

- Electronic systems integration
- Radar testing
- Environmental chamber testing
- Missile maintenance
- Diagnostic testing
- Wiring harness fabrication
- DIT-MCO testing
- Fiber optic cables
- J-STD-001 soldering Multi-layer circuit board repair
- Dielectric fluid reprocessing
- Clean room environment
- Shielded room environment
- Electric motor rebuild



FULL SPECTRUM ELECTRONIC REMANUFACTURING, REPAIR, FABRICATION AND



Integrated System Remanufacturing / Testing



Card Repair

TESTING



Electronic / Mechanical Manufacturing and Repair



Environmentally Controlled Clean Rooms



Wiring Harness Testing and Repair

CIRCUIT CARD TESTING AND REPAIR CAPABILITY



J-STD-001 soldering and micro miniature soldering performed

Circuit boards having up to six layers are processed and repaired or reconstructed

General Electric Test Set (GETS) consoles provide state-of-the-art technology in diagnostic circuit card testing





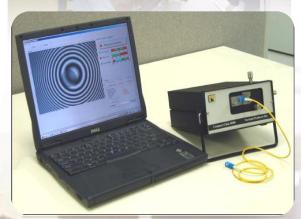
Inspection, disassemble, micro blasting / cleaning and repair

Power zoom stereo- microscope

CABLE AND HARNESS FABRICATION

- Full service wire harness repair and fabrication on assemblies ranging from small jumpers to multibranched assemblies
- 45,000 square feet
- Reel and store cables up to 4000 feet in length
- Thermal shrink and laser etch marking manufacturing
- Harness layout process
- Reel-to-reel spooling for fiber optic and copper cables
- Assembly of connectors, pins and hardware
- T Foca fiber optic termination and testing
- DIT-MCO testing to include high voltage
- Environmental thermal shock testing up to 210c
- Final mechanical installation, testing and inspection
- Splicing, assembly and attachment of connectors
- Transmission efficiency testing
- IPC 620 and J-STD-001 certified technicians





THE ONLY ARMY DEPOT WITH INDEPENDENT RECEIVING, STORAGE, AND SHIPPING



Inventory accuracy of 98% is maintained through the LMP/SAP cycle count process

SHELTER HANDLING EQUIPMENT



Letterkenny is fully equipped to handle any size container/shelter





THEATER READINESS MONITORING FACILITY

The Lightner Missile Complex is a new 90,500 square foot, state-of-the-art PATRIOT and Homing All the Way Killer (HAWK) facility capable of missile storage, disassembly, testing, and recertification in support of the War fighter



THEATER READINESS MONITORING

MISSILE MAINTENANCE OPERATIONS

- Missile disassembly and assembly
- Missile safety test
- PATRIOT missile facility 560 test station
- De-canning and canning of missiles
- Explosive handling
- PATRIOT Missile Integration Test System (PMITS) test
- Quality





SPECIALIZED EQUIPMENT

- Built-in temperature, humidity, dust and electronic static discharge controls
- Lightning detection system
- De-canning RAM systems (DRS)
- PMITS test station
- 5-ton overhead cranes
- Lightning warning and protection
- Forklifts

Letterkenny Army Depot SECURE ASSET PRESERVATION AND STORAGE Available Outside Storage Lot

CERTIFIED QUALITY MANAGEMENT SYSTEM

Quality System Manual



Quality System Procedures



LEAD's commitment is to provide products and services that meet or exceed customer requirements by continually measuring, evaluating, and improving our processes for greatest customer satisfaction.

QSP 1 - Management Responsibility	QSP 15 - Statistical Process Control
QSP 2 - Control of Documents	QSP 16 - Servicing
QSP 3 - Control of Records	QSP 17 - Continuous Improvement
QSP 4 - Internal Audits	QSP 18 - Work Environment
QSP 5 - Control of Nonconforming Product	QSP 19 - Purchasing
QSP 6 - Corrective/Preventive Action	QSP 20 - Management Review
QSP 7 - Control of Monitoring and Measuring Devices	QSP 21 - Electrostatic Discharge
OSP 8 - Customer Satisfaction	DPA SOP 702-12, Certification Criteria for Inspectors
QSP 9 - Identification and Traceability (Tagging)	DPA SOP 702-13, External Product Quality Deficiency Report
OSP 10 - Shelf-Life	DPA Work Instr 1 - Inspection of Local Procurement Receipts
	DPA Work Instr 2 - Sheet Metal, Machine Shop, Upholstery Inspector
QSP 11 - Workload Acceptance	DPA Work Instr 3 - PQDR/SDR Processing
QSP 12 - Customer Property	DPA Work Instr 5 - FMS Repair and Return Assets
QSP 13 - Process Control	DPA Work Instr 6 - MKT RESET: Weld Inspection Sampling Plan
QSP 14 - Inspection and Testing	DPA Work Instr 7 - Paint Surveillance

LEAD SAFETY COMMITMENT

Safety Mission Statement

Our mission is to work together as a team ensuring the safety and health of every person at Letterkenny Army Depot



LEAD RECRUITMENT AND PLACEMENT

Letterkenny employs various recruitment and placement programs, to included partnerships with local technical schools and colleges.

Student Temporary Employment Program (STEP)

Student Career Experience Program (SCEP)

Veterans Recruitment Appointment (VRA)

Upward Mobility Program

LEAD CPAC has contacts/agreements with:

- ➤ Hagerstown Community College
- > Harrisburg Area Community College
- **≻ITT**
- > York Technical Institute
- > Pennsylvania College of Theology
- > Shippensburg University
- > Wilson College
- > Widener University
- York College of Pennsylvania
- > Penn State
- Franklin County Career Technology Center
- > Williams Free School of Mechanical Trade
- > Thaddeus Stevens College of Technology

WHAT YOU SHOULD KNOW

- ✓ LEAD has a certified Quality Management System, Environmental Management System and a Safety Management System
- ✓ LEAD's customer satisfaction is consistently at 98% or above
- ✓ LEAD implemented the most successful LMP/SAP transition in the Army and continue to make strides in utilizing the LMP tools
- ✓ LEAD's productivity rate is 1620 direct labor hours
- ✓ LEAD invested \$107M in infrastructure over the past four years
- ✓ LEAD is the only Army depot that can control your shipping and receiving

HOO-AH!

- Secretary of the Army Awards for Environmental Restoration FY02, Environmental Quality FY06 and Environmental Sustainability FY09
- Industrial Installation
- Named by BRAC Commission in 2005 as the #1 depot for tactical
- Chief of Staff of the Army Combined Logistics Excellence Award 2010 wheeled vehicles for military value

 - •BAE Chairman's Bronze Award 2010
 - Secretary of Defense PBL of the Year Award 2011

 - Supplier Excellence Award 2011

Patriot 05 **HMMWV 06 HMMWV 07 Power Generator Equipment 07 Biological Detection Shelters 08** Patriot 08 Patriot 10 AGPII 44

