LETTERKENNY ARMY DEPOT

MISSION
Letterkenny Army Depot provides responsive and sustainable readiness for the US and Allied Air and Missile Defense forces to support US global strategic interests.

VISION
Letterkenny Army Depot is a metrics based organization dedicated to continuous improvement and a champion of emerging technologies that support Air and Missile Defense systems integration and materiel readiness.
ARMY ORGANIC INDUSTRIAL BASE

Life Cycle Management Commands (LCMC’s)

Communications-Electronics Command
Aberdeen, MD
CECOM

Aviation and Missile Command
Huntsville, AL
AMCOM

Tank Automotive Command
Warren, MI
TACOM

Army Contracting Center – APG
Aberdeen, MD
ACC-APG

Communications Electronics Research Development & Engineering Cmd
Huntsville, AL
CERDEC

Army Contracting Center-Redstone
Huntsville, AL
ACC-R

Aviation Missile Research Development & Engineering Cmd
Huntsville, AL
AMRDEC

Army Contracting Center – Warren
Warren, MI
ACC-WRN

Tank-Automotive Research Development & Engineering Cmd
Warren, MI
TARDEC

Tobyhanna Army Depot
Tobyhanna, PA
TYAD

Corpus Christi Army Depot
Corpus Christi, TX
CCAD

Letterkenny Army Depot
Chambersburg, PA
LEAD

Anniston Army Depot
Anniston, AL
ANAD

Red River Army Depot
Texarkana, TX
RRAD

Army Contracting Center
– APG
Aberdeen, MD
ACC-APG

JMC

Joint Munitions & Lethality Command
Rock Island, IL

Pine Bluff Arsenal, AR (PBA)
Bluegrass Army Depot, KY (BGAD)
Crane Army Ammunition Activity, IN (CAAA)
Tooele Army Depot, UT (TEAD)
Mcalester Army Ammunition Plant, OK (MCAAP)

Joint Manufacturing & Technology Center
Rock Island, IL
JMTC

Waterlief Arsenal
Watervliet, NY
WVA
LEAD STAKEHOLDERS / CUSTOMERS

- Army Material Command (AMC)
- Army Aviation and Missile Command (AMCOM)
- Lower Tier Project Office (LTPO)
- Communications-Electronics Command (CECOM)
- Tank Automotive Command (TACOM)
- Vehicle Systems (TACOM)
- U.S. Army Security Assistance Command (USASAC)
- USMC
- Cruise Missile Defense Systems (CMDS)
- Joint Munitions Command (JMC)
- Missile Defense Agency (MDA)
- Raytheon
- Lockheed Martin
- BAE Systems
- AAI
ANNUAL REVENUE: $450M - $500M

REGIONAL EMPLOYER: Second largest employer in Franklin County, PA

ANNUAL ECONOMIC IMPACT: $280M into regional payroll, contracts, and retiree annuities

REAL ESTATE:
- 18,281 acres
- $1.54 billion in infrastructure
- $175 million in specialized equipment
- 1.47 million sqf of production space

POPULATION

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Veterans</td>
<td>36%</td>
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<tr>
<td>Women</td>
<td>14%</td>
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<tr>
<td>Minorities</td>
<td>5.7%</td>
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<tr>
<td>&gt; 30 yrs. Federal Service</td>
<td>9.2%</td>
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<tr>
<td>&lt; 5 yrs. Federal Service</td>
<td>16%</td>
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<tr>
<td>Average Age of Workforce</td>
<td>47</td>
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<tr>
<td>Average Salary</td>
<td>$64,736</td>
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Letterkenny

- 2,244
- 1425 Federal
- 809 Contracted
- 10 Military

Letterkenny Tenants

- 3,003
- 628 Federal
- 136 Contracted
- 2 Military

- 764
Sources of Workload

**CITE**
- Center of Industrial & Technical Excellence
  - Air Def & Tac Missile GSE
  - Patriot Missile Recertification
  - Power Generation Equipment
  - Route Clearance Vehicles

**DSOR**
- Depot Source of Repair
  - Patriot Missile Systems
  - THAAD Fire Control & Coms
  - Mobile Kitchen Trailer
  - AN/TPY-2 Radar
  - MLRS & HIMARS
  - Route Clearance Vehicles
  - Sentinel Radar

**P3**
- Public-Private Partnership
  - Patriot Launcher & GSE
  - Patriot Missile Recertification
  - Apache Fire Control
  - Route Clearance Vehicles

CITE Designation allows us to perform new manufacturing
CENTER OF INDUSTRIAL AND TECHNICAL EXCELLENCE

- Air Defense and Tactical Missile Ground Support Equipment
- Patriot Missile Recertification
- Mobile Electric Power Generation Equipment
- Route Clearance Vehicles (RCV)
Aviation Ground Power Units
- LEAD AGPU New Build program met shortage of assets in FY10
- 220 New Build assets schedule from April 2012 through June 2014
- Estimated total cost avoidance with LEAD as original equipment manufacturer is $200K-300K per asset

LEAD/BAE Partnership
- LEAD provided support for 300 Panthers vehicles by modifying, assembling, testing, painting and shipping assets
- 809 Special Operations Command variation MRAP and Medium Mine Protected Vehicles
- Assembled 797 MRAP doors

Cougars to JERRV Conversion
- 25 Cougar to Joint Engineering Rapid Response Vehicle conversion assets completed in 8 weeks
- Completed teardown, modification and assembly

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Patch Kit
Joint MRAP Vehicle PM sent an urgent task for LEAD to produce, crate and ship 3,000 M-ATV Exhaust Patch Kits

Force Provider
- U.S. Army Natick Soldier Systems Center funded LEAD to produce new build modules beginning in FY11
- Successful performance resulted in additional funding for 17 new build modules during FY12

Ground Mobility Vehicles
LEAD produced customized platform needs for Special Operations Command
PUBLIC-PRIVATE PARTNERSHIPS (P3)

**Partnership benefits to the depot**
- Technology insertion
- Skill set sustainment
- Leverage lessons learned to assist force modernization planning for new systems sustainment

**Partnership benefits to private industry**
- Skilled artisans
- Facility infrastructure in place
- Flexibility and options

**Recognized Excellence by Army and Industry**

- 2016 Pro Patria Award for Superior Support of the Reserve Forces of the United States of America
- 2015 Pro Patria Award for Outstanding Support of Soldiers
- 2014 Raytheon 4-Star Supplier
- 2013 Lockheed Martin Logistics Facility Award for Excellence and Contractor-Military Collaboration of the Year Award
- 2013 & 2015 Secretary of Defense Performance-Based Logistics Awards Selection
- 2012 & 2013 Raytheon Supplier Excellence Award
- 2012 Raytheon 4-Star Supplier
- 2010 SECARMY Environmental Award
- 2010 BAE Chairman's Bronze Award
- 2010 Chief of Staff of the Army Combined Logistics Excellence
CONTINUOUS PROCESS IMPROVEMENT

10X Shingo Recipient

- PATRIOT '05
- HMMWV '06
- HMMWV '07
- Power Generator '07
- BIDS '08
- PATRIOT Missile Recert '08
- PATRIOT '10
- AGPU ’11
- Force Provider ’13
- PATRIOT New Build 2017

FY17-Accomplishments

- $10 -12.5M Lean savings - In process
- 90% employee-initiated savings
- 10% (AMCOM/Lead)

Six Sigma Black Belt & Green Belt Certifications

- 1 Master Black Belt candidate
- 6 Black Belt certifications
- 22 Black Belt trained
- 5 Green Belt certifications
- 4 Green Belt trained

Circuit Card Testing and Repair

Process, Repair, and/or Reconstruct Circuit Boards with up to Nine Layers Per Side

Harness Layout Process

Full Service Wire Cable Harness Repair and Fabrication on Assemblies Ranging from Small Jumpers to Multi-Branched assemblies

High Voltage DIT-MCO Testing
**ENGINEERING**

### VALUE ENGINEERING

**BEST VALUE**
- Institutional Knowledge of DOD Armament Systems
- Instinctive Ability to Maximize Weapon System Sustainment

**EXPERT SERVICE**
- Experts in the Field of Service Life Enhancement
- Restore Worn Components to Like-New Condition
- Fraction of the Cost of New Acquisition

**PROBLEM SOLVING**
- Simplify Customers’ Logistical Problems
- Respond to Part Non-Availability
- Reverse Engineering and Fabrication Services

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### REVERSE ENGINEERING

- Flat Bed Scanner Checks Pattern Quality and Reverse Engineer Parts
- FARO Arm (with Laser Attachment Scanner)
  - 8’ Measuring Capability
  - Tolerance +/- .002

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**PATRIOT Coupling**
- Acquisition Cost: $13,909
- Repair Cost: $85

**MLRS Actuator Screw**
- Acquisition Cost: $5,773
- Repair Cost: $92
Lathe/Turning Center-
- Mazak 9 Axis Integrex
- Combination Reduces Set-Up Time
- Antenna Positioned: Simultaneously Machines 5 Axes

Milling Machines-
- Ingersoll 6 Axis Bridge Mill (10’x40’ Table; ‘1 to Infinity’ Lot Size)
- Ingersoll Gantry Mill (20’x8’ Table; 2 Heads/5 Axis; 16,000 RPM Spindle Speed)
- Haas CNC Router Vacuum Table (Magnet Clamping/Quick Change Over and Full Sheet Milling)

Laser Cutting- Up To 1.25” Thick Sheet Plate, and a .50” Thickness for Aluminum and Stainless Steel; Maximum Size of 13’x10’

Water Jet Machines- Cut Up To 8” Thick Material (Not Limited To Steel, Aluminum, Wood, Rubber, Armor, Glass and Composites)
Pre-heat Armor And Titanium- To Aid In Preventing Cracking In The Forming Process

Electrical Discharge Machining- Produce Dies, Jigs and Fixtures
Tubing And Hosing - Reversed Engineer Technology; Round/Square Stocks
Upholstery - Sound/Water Proofing; Crew Seats/Covers; Drapes/Curtains; Straps; Vehicle Storage Solutions
Box Shop - Custom-Built Containers, Crates, Skids, Hutman’s

50,000 Square Feet of Production Area
Operations Range From Small Component Repair Production Workload to Full Asset Modifications and Repair

- Titanium Welding / ROBOTIC Weld Cell
- Spot Welding 100,000 Watts

- BLU-CO Tables (Quick Set-up)
- 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)
- Stainless Steel
MATERIAL PREP/FINISH

- Paint Operations in Five Buildings Located in Close Proximity to Product Lines
- Complimented by State-Of-The-Art VOC Control Technology to Ensure Environmental Compliance
- Two Parallel Processing Lines Supported by Sub-Floor Pits for: Cleaning, Lubrication, Paint Preparation, Corrosion Prevention Application, Undercarriage Painting, Application of Base/Final/Pattern Paint, Drying, Stenciling, and End Item Preservation for Storage/Issue

- Seven Drive-in Paint Lines With Various Paint Capabilities Specializing in CARC Paints
- Large Drive-In Wash Rack Facility with Two Wash Racks
- Four Metal Pre-Treat Systems
- Three Paint Line Systems
- Five Drive-Thru Paint and Abrasive Blast Cleaning Booths
- Three Small Parts Coating/Drying Carousels
The Only Army Depot with Independent Receiving, Issuing, Storage and Shipping

- Receiving and shipping capabilities via rail and truck
- Inside and outside storage
- Logistical operations maintained through LMP/SAP processes
- Embedded Lean Six Sigma processes
- Letterkenny is fully equipped to handle any size container or shelter
LEAD – ON THE HORIZON…