

Army Industrial Base: Challenges & Opportunities

Role of Industry Partnerships

21 April 2010

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AMC DCS G4/7/9

Challenges

❖ Single Points of Failure

❖ Globalization of Industrial Base

❖ Organic Base

- Facility and Equipment Modernization
- Skill base retention
- Declining workload

❖ Commercial Base

- Weak economy affects lower tier critical subcontractors
- Declining workload
- Loss of knowledge base / skill reduction

Opportunities

❖ Contractual Arrangements

- Performance Based Logistics
- Facility use
- Direct sales
- Work share
- Commercial services agreement

❖ Partnerships

- Facilitates exchange of processes and practices
- Uses the best of each partner's capabilities
- Fills gaps & mitigates risk of single point failures

AMC's Partnership Program

❖ Goal:

- ✓ Mutually beneficial relationships building on strengths of each partner creating increased value.
 - Use of public sector facilities, equipment and employees
 - Work share arrangements

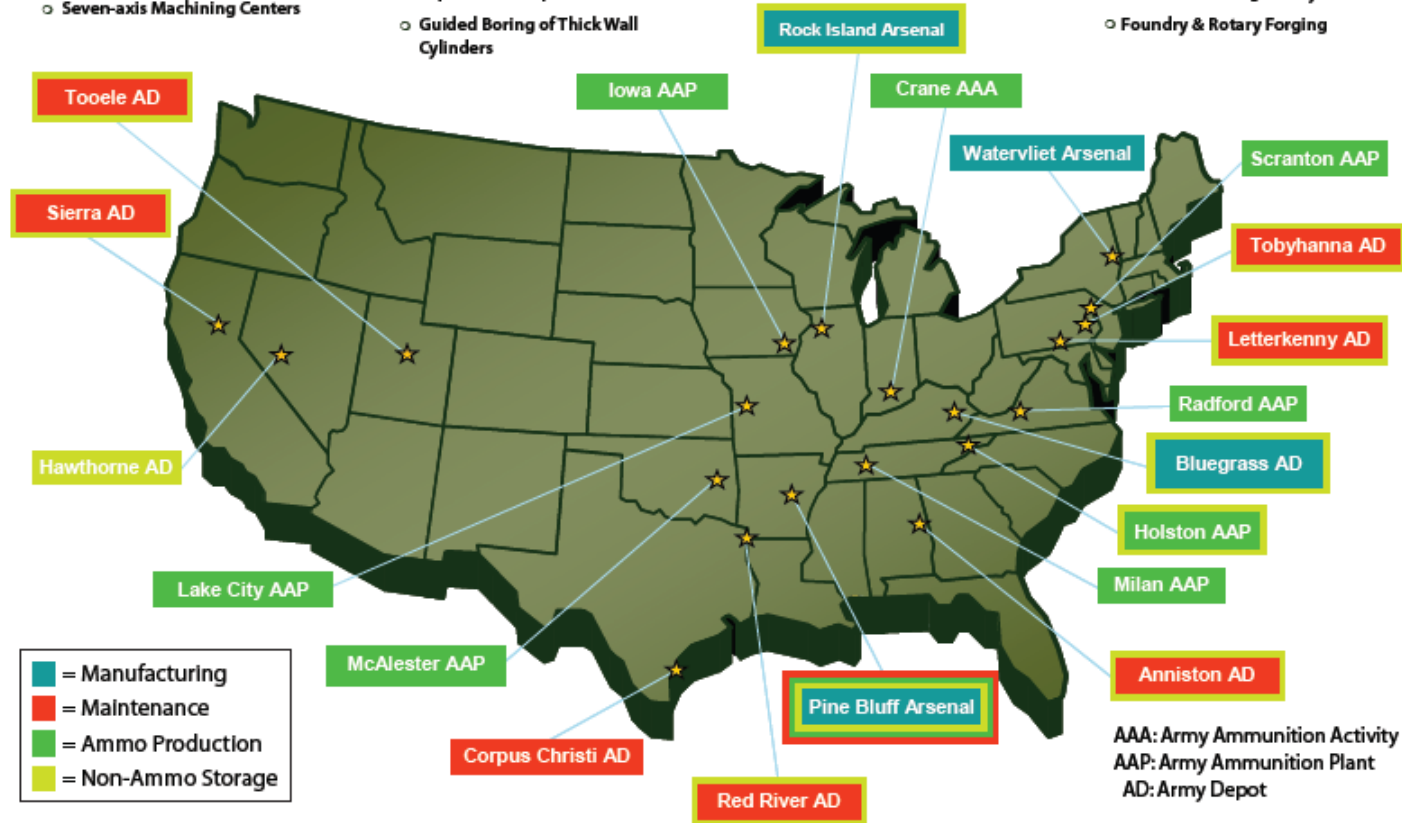
❖ Objectives:

- ✓ Improve operational efficiency
- ✓ Lower the cost of products and services
- ✓ Accelerate innovation
- ✓ Secure private investment
- ✓ Sustain critical skills and capabilities

AMC's Industrial Facilities

AMC INDUSTRIAL CAPABILITIES

- Overhaul/Repair/Remanufacture
 - Ground Vehicles & Helicopters (Including Components)
 - Radios, Radars & Other Electronic Items
- Heavy & Light Machining
- Seven-axis Machining Centers
- Heat Treatment, Plating & Finishes
- Tool, Die & Gage Development & Production
- Wood Pallet Manufacturing
- Explosive & Propellant Production
- Guided Boring of Thick Wall Cylinders
- Product Design, Development, Engineering & Fabrication
- Automated Testing
- Metallurgy
- Firing & Test Ranges
- Storage & Handling - Controlled Environment
- Rail Car Storage
- Chemical/Biological Protective Equipment Repair/Remanufacture
- Precision Bearings Analysis
- Foundry & Rotary Forging



What's Available

❖ Facilities:

- ✓ Manufacturing/repair facilities
- ✓ Ranges (firing & test)
- ✓ Secure locations
- ✓ Warehouses

❖ Equipment (specialized equipment and tooling):

- ✓ Foundry and rotary forge
- ✓ Seven axis machining centers
- ✓ Guided boring of thick wall cylinders
- ✓ Tool, die & gage development/production

❖ Trained workforce:





- ✓ Competent/competitive
- ✓ LEAN Six Sigma experience

Enterprise Capabilities

- ❖ Overhaul/repair/remanufacture
 - ✓ Ground vehicles & helicopters (including components)
 - ✓ Radios, radars & other electronic items
- ❖ Product design, development, engineering & fabrication
- ❖ Heat treatment, plating & finishes
- ❖ Heavy and light machining
- ❖ Explosive and propellant production
- ❖ Chemical/Biological protective equipment repair/rebuild



Partnership Examples

<p>Corpus Christi Army Depot</p>	<p>Anniston Army Depot</p>	<p>McAlester Army Ammunition Plant</p>	<p>Watervliet Arsenal</p>
<p>GE</p> <p>Apache Blackhawk</p> <p>T700 series engine conversions</p>	<p>Honeywell</p> <p>M1 Abrams tank</p> <p>MTBF increased 2X</p>	<p>Raytheon Systems</p> <p>XM795 - Excalibur</p> <p>All Up Round Integration</p>	<p>BAE Systems</p> <p>155mm M776 Howitzer</p> <p>Cannon Tubes</p>
			

How can we enhance partnership opportunities to leverage the strengths of industry and AMC's capabilities?

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<http://www.amc.army.mil/pa/PartnershipOpportunities.asp>