

dcn: 10104



ROCK ISLAND ARSENAL A JOINT SERVICE INSTALLATION INSTALLATION FAMILIARIZATION BRIEF



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Agenda

Rock Island Arsenal

A Joint Service Installation

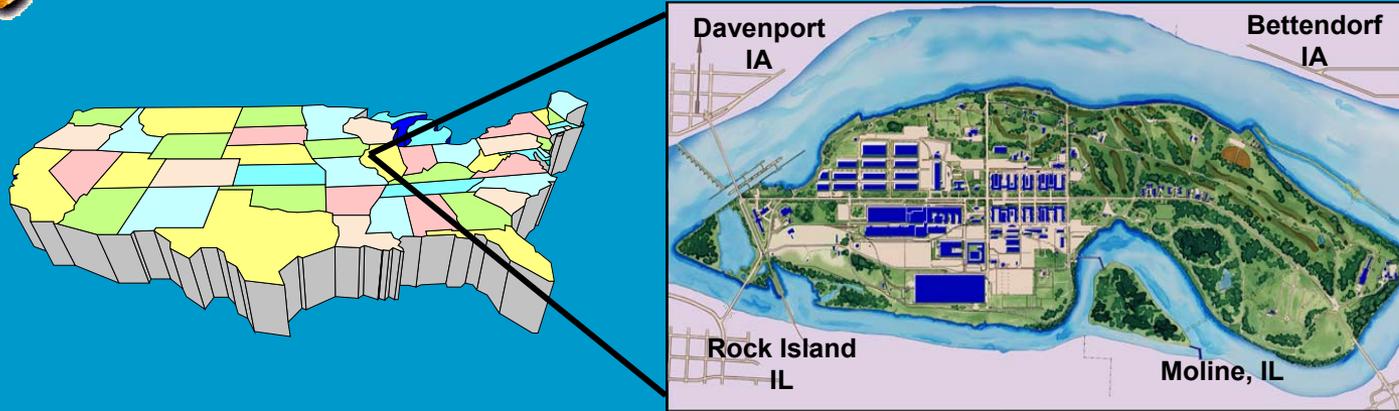


- **Who We Are**
- **Installation Attributes**
- **Joint Military Value**
 - **Joint Manufacturing and Technology Center**
 - **Tenant Activities**
- **Future Focus**
- **Summary**





Who We Are



- **Essential National Defense Component**
- **Global Contributor to the Relevant, Ready Joint Force**
 - Precision Manufacturing
 - Soldier Support
 - Armament Sustainment
 - Ammunition Logistics
 - Personnel Management
 - Installation Excellence

Provider of Choice for the 21st Century Joint Warfighter



History of Rock Island Arsenal



1862 ----- RIA Established

1866 ----- Stone Shops

Spanish/American War ----- Small Arms

WWI ----- Tanks / Machine Guns

WWII, Korean War, Vietnam ----- Artillery

Cold War ----- REARM Modernization

Gulf War ----- M198 Howitzer / Tools / Shop Sets

OIF / GWOT ----- M6 Machine Gun Mounts / Forward Repair System / Shop Equipment

Contact Maintenance / Armor Door Kits



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RIA Mission Statements



Joint Manufacturing and Technology Center

Support the National Defense Strategy with world-class products and services through development / prototyping, manufacturing, integration, testing and logistics support.

Garrison

Provide quality facilities and excellent base operations support and services to all installation tenants in the areas of law enforcement, crime prevention, security management, fire, safety, information management, facilities engineering, housing, maintenance of buildings and roads, and transportation. The Garrison maintains telecommunications facilities and common resources, as well as community amenities and necessary services for morale, welfare, and recreation. A high quality living and working environment is maintained to ensure equal opportunity for all civilian employees, warfighters, and family members.

Provider of Choice for the 21st Century Joint Warfighter

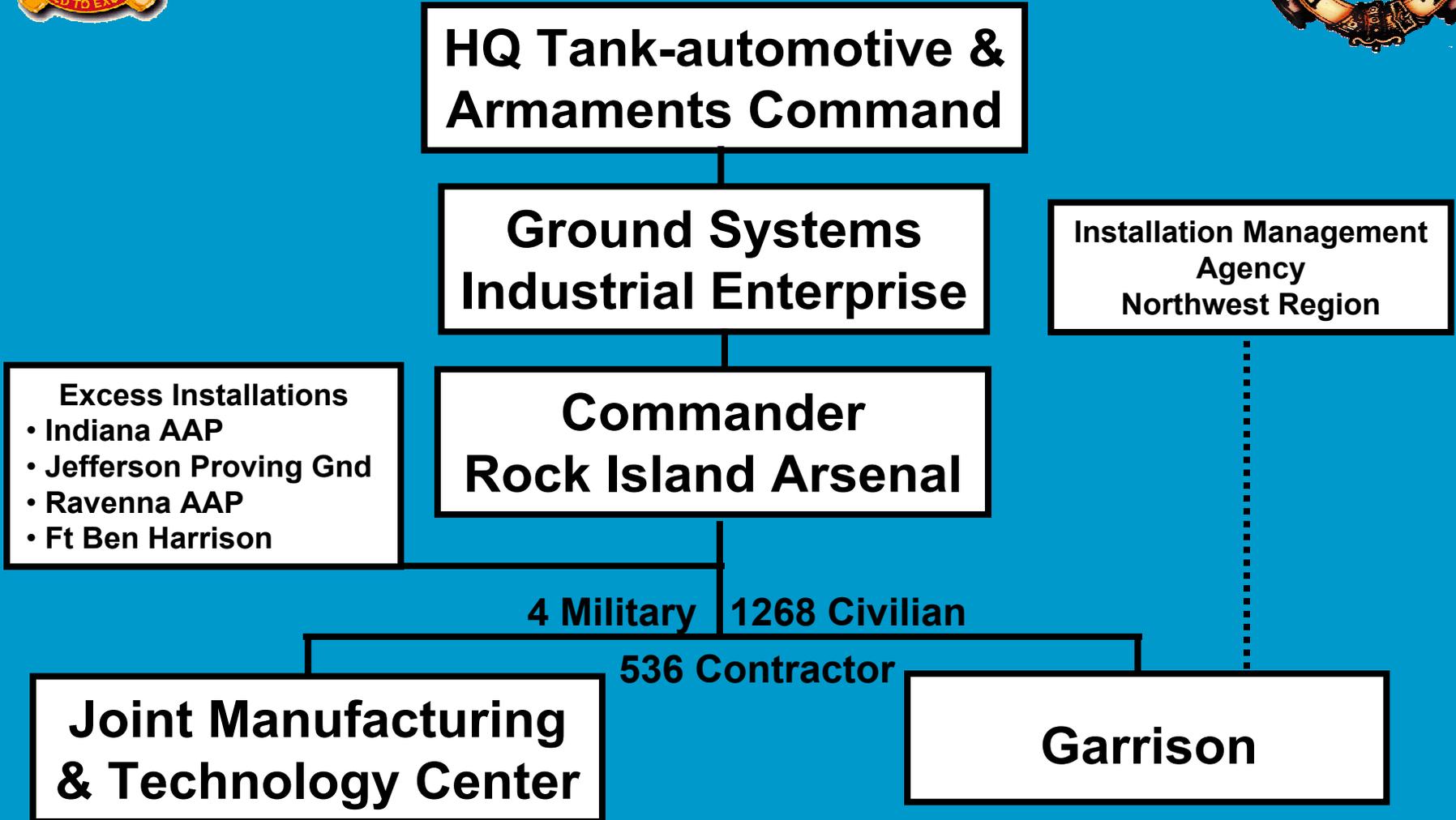


Ground System Industrial Enterprise (GSIE)





Chain of Command



Provider of Choice for the 21st Century Joint Warfighter

A Joint Service Installation 57 Total Tenant Activities



Army Field Support Command



Ground Systems Industrial Enterprise



Army Tank-automotive & Armament Command



Army Joint Munitions Command



Installation Management Agency Northwest Region



Defense Finance & Accounting Service



Naval Reserve Navy Liaison Office



Air Force Liaison Office



Marine Corps Reserve & Liaison Office



Department of Veterans Affairs



Armament Research Development & Engineering Center



Defense Computing Service



North Central Civilian Personnel Operations Center



Army Materiel System Analysis Activity



Defense Acquisition University



Edgewood Chemical & Biological Center



Document Automation & Production Service



Defense Commissary Agency



Army Corps of Engineers Rock Island District



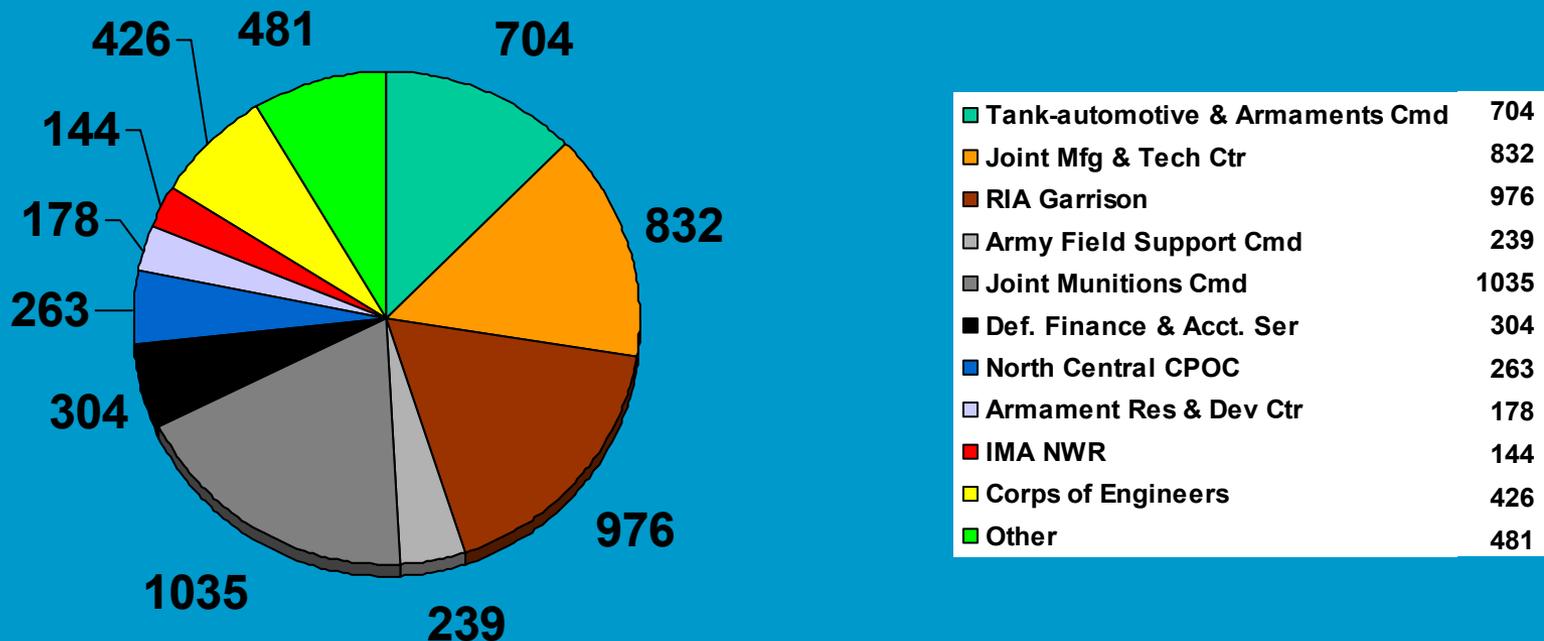
Army & Air Force Post Exchange



Defense Reutilization & Marketing Office



Joint Services Population





Workforce Demographics

Average Age
48 years

White Collar 85%
Blue Collar 15%

Years of service
20

Education Levels
High School+ 61%
Bachelor's+ 39%

Veterans
26%

DA Interns 54
Apprentices 9
CO-OPs 50



Installation Attributes



- **950 acres**
 - 336 buildable acres
- **25 miles of roads**
- **1.3 miles of railroad**
- **6.6 million sq ft of floor space**
 - 2.5 million sq ft of production space
 - 2.0 million sq ft of warehouse
 - 1.6 million sq ft of administrative
 - .1 million sq ft of computer facilities
 - .4 million sq ft of other
- **1.9 million sq ft is available for future use**
- **Replacement value of facilities: \$1.224B**
- **Replacement value of industrial & instl equip: \$460+M**





Special Aspects

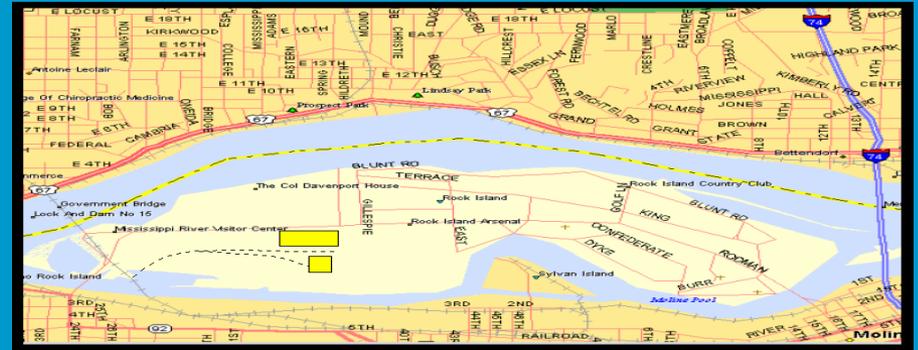
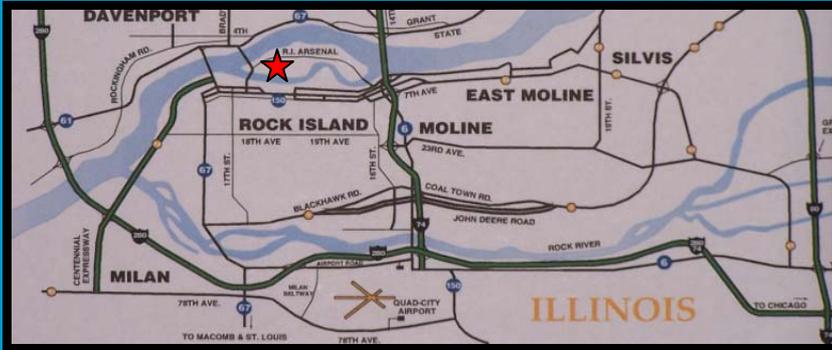
- **Located on the Mississippi River**
- **Hydroelectric plant – generates up to 1/3 of the electrical power**
- **Self-contained water treatment system**
- **\$30M State of the Art information technology infrastructure upgrade**
- **Army's prototype "School Age" Child Development Center**
- **1 of 3 Arsenal Support Program Initiative sites**
- **Active National Cemetery**
- **National Historic Landmark**



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Installation Accessibility



- 7 miles from Quad City Intl Airport, Moline, IL
- 747 / 777 / C-17 capable runways

- 1.3 miles of rail on post
- Connects to major east/west & north/south arteries



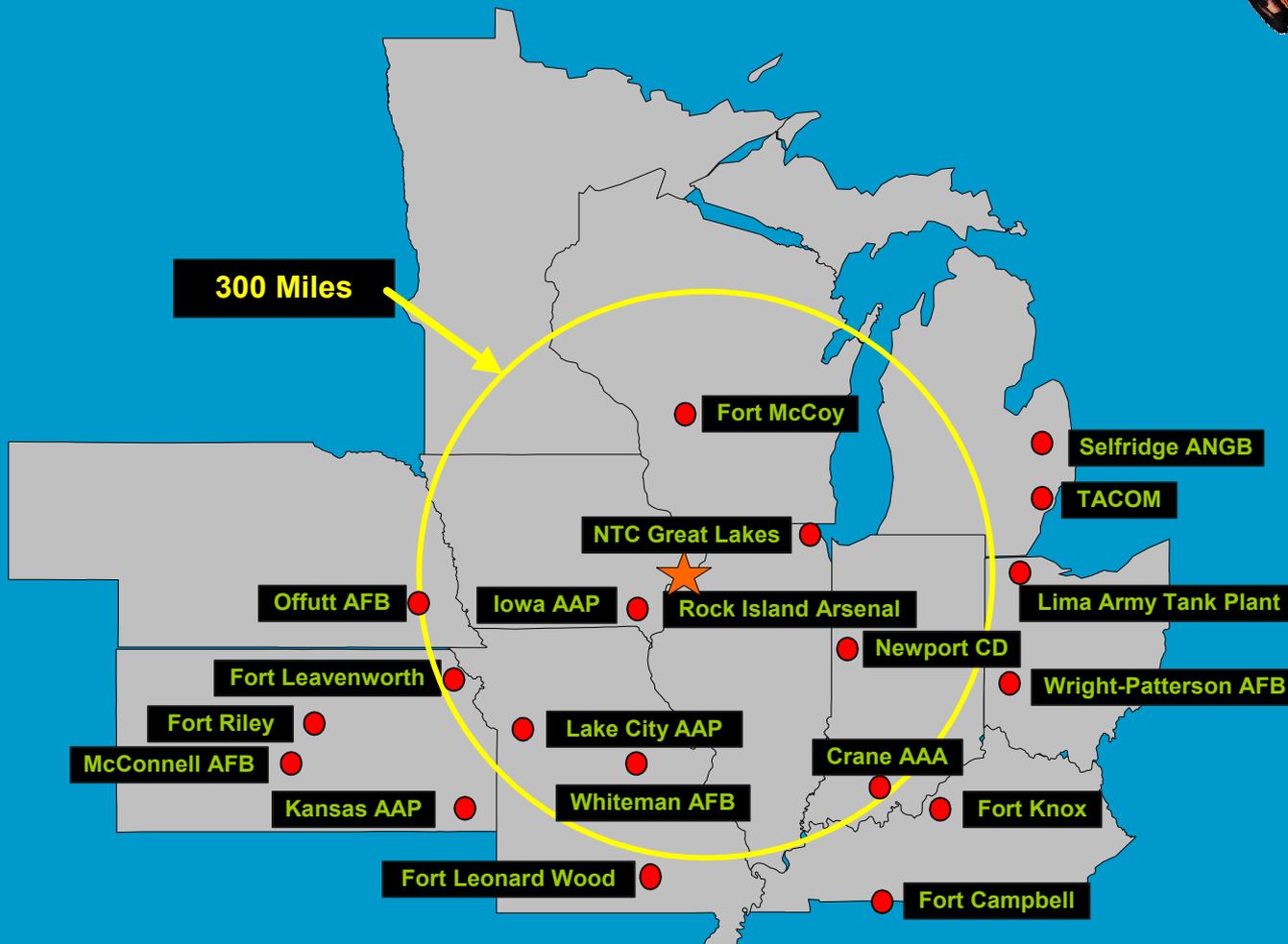
- Emergency offloading directly onto the island
- Seaport (river terminal-Rock Island) 3 miles

- Ready access to ground transportation
- Four Interstate and five Federal highways

Provider of Choice for the 21st Century Joint Warfighter



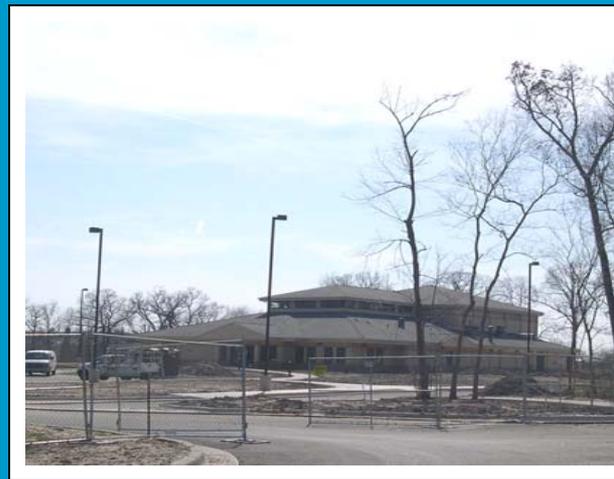
Central Access



Provider of Choice for the 21st Century Joint Warfighter



Installation Excellence



Provider of Choice for the 21st Century Joint Warfighter



Virtual Communications



- **\$30M data/voice network update**
 - Can immediately accommodate 2x users
- **NIPRNET- Can accommodate 4x increase**
- **SIPRNET- Can accommodate 10x increase**
- **Secure/classified Videoteleconferencing**
- **Iowa Communications Network**
 - Connects all Nat'l Guard & state/fed gov't sites
 - Separate link to RIA



Organic Power Generation



- Hydroelectric plant provides 30% of power needs
 - 10 generators with 3 MW capacity
- Two 1 MW diesel generators
- Emergency Command & Control power capability



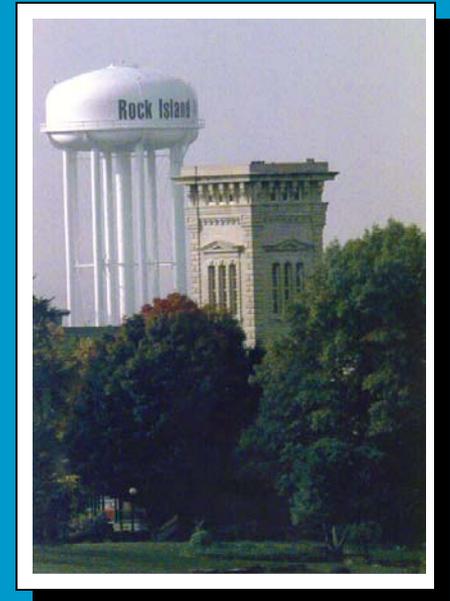
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Organic Water Treatment Facility



- RIA water source – Mississippi River
- 1.7 million gallons per day capacity
- Daily usage 20% of capacity
- Water treatment plant and intake meet Force Protection requirements

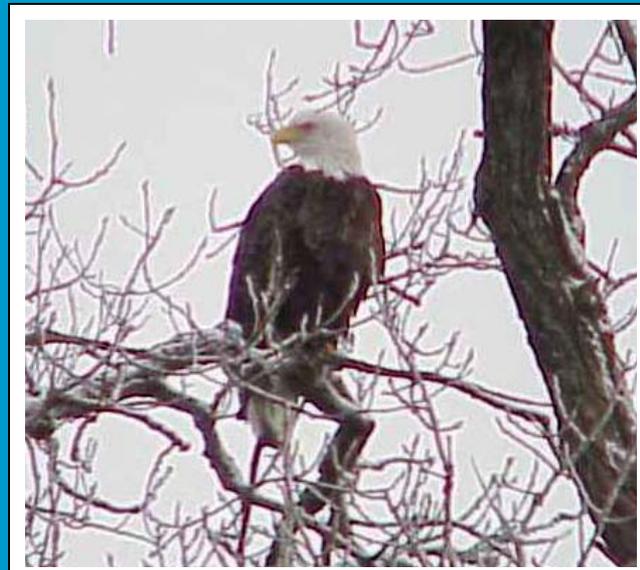




Environmental Excellence



- **USEPA: National Pollutant Discharge Elimination System Storm Water Permit**
- **IEPA: Title V – Clean Air Act Permit Program Permit**
- **City of Rock Island, IL, Waste Water Permit**



Provider of Choice for the 21st Century Joint Warfighter



Force Protection Benefits



- Natural barriers – waterways
- Access control points (3)
- Centrally located for bi-state cooperation
- Mutual aid agreements with local fire/police agencies
- Annual Force Protection exercises
- Bi-weekly law enforcement meetings





Military Value to the Joint Warfighter



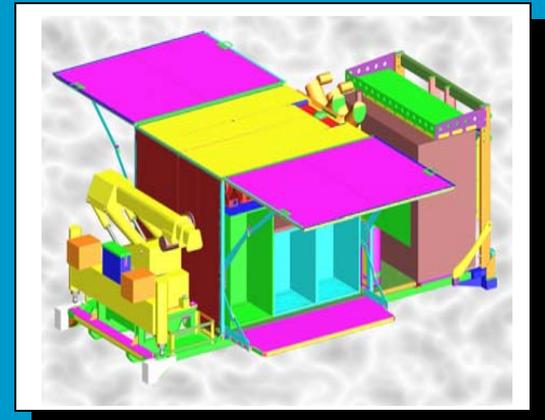
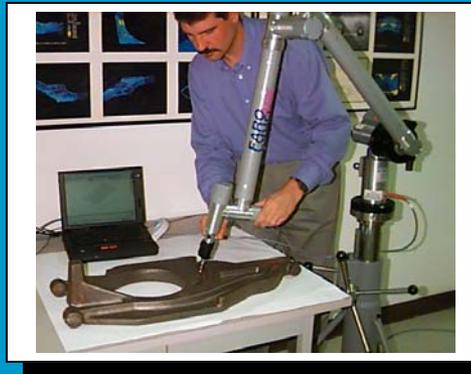
- **Joint Manufacturing and Technology Center**
- **US Army Tank-automotive and Armaments Command-RI**
- **Army Field Support Command**
- **Joint Munitions Command**
- **Installation Management Agency NWR**
- **Network Enterprise Technology Command NWR**
- **North Central Civilian Personnel Operations Center**
- **Defense Finance and Accounting Service**
- **US Army Corps of Engineers – Rock Island District**
- **Coast Guard**
- **Navy-Marine Corps Reserve Center**



Why is JMTC Critical to the Joint Warfighter, Today and Tomorrow



- DoD's only vertically integrated metal manufacturing facility
- State-of-the-Art precision machining capabilities
- In-house integration of engineering and production
- Critical knowledge base for prototype, production engineering, production, and testing
- Rapid Response Machining Center
- Original / sole / major producer of weapons systems / components
- Future focus tied to the needs of the Warfighter





Why is JMTC Manufacturing Critical to the Joint Warfighter?



Critical Processes / Capabilities

Foundry	Die Sinking	Non Destructive Testing
Forging	Shot Blast	Vibratory Testing
Investment Casting	Painting	Salt Spray Testing
Surface Plating	Tool Set Design	Coordinate Measuring
CNC Machining	Tool Set Assembly	Machine Inspection
Gear Cutting	Pattern Making	Large Caliber Testing
Honing	Mold Making	Simulation
Heat Treat	Systems Integration	Small Arms Live Fire
Welding	Metallurgy	Testing
Spring Making	NC Programming	Concurrent Design &
Rubber Compounding	Welder Certification	Prototyping
Injection Molding	Production Engineering	Reverse Engineering
Tool Making	Failure Analysis	Inventory Control Point
Tool/Fixture Design	Material Laboratory	Supply Depot Ops

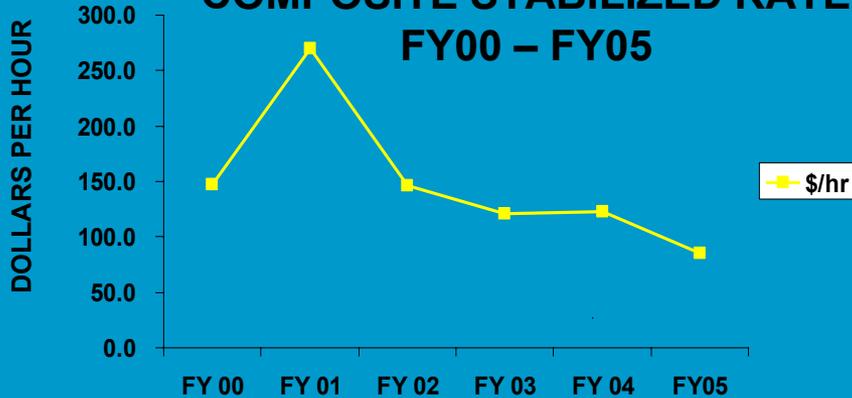
Provider of Choice for the 21st Century Joint Warfighter



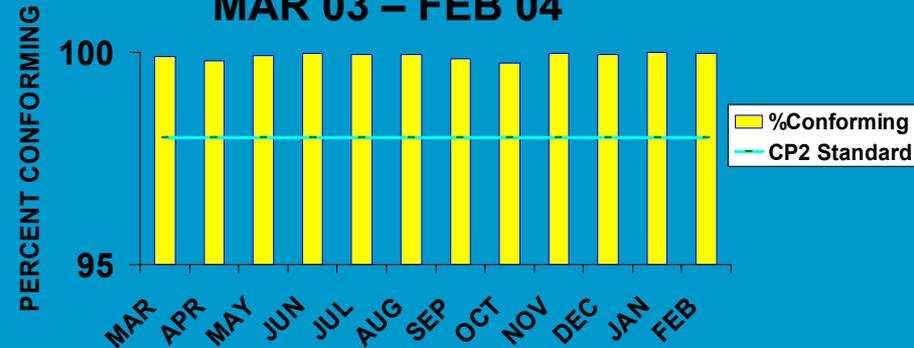
JMTC Business Metrics

Quality, Cost, Delivery

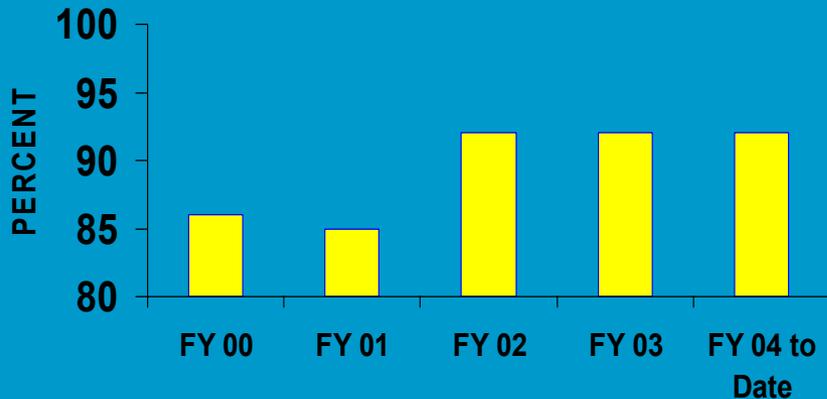
**COMPOSITE STABILIZED RATE
FY00 – FY05**



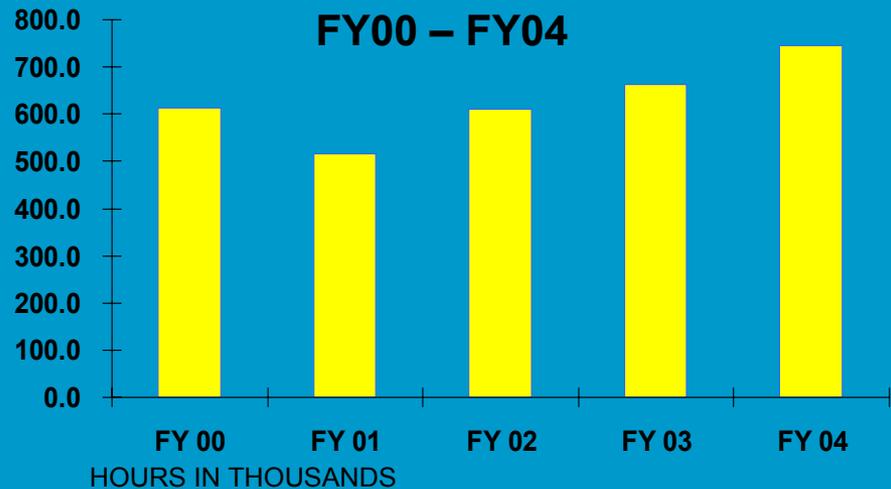
**PRODUCTION QUALITY
MAR 03 – FEB 04**

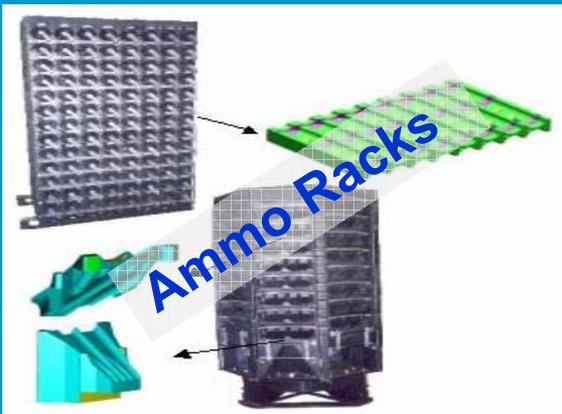


**DELIVERY PERFORMANCE
FY00 - FY04**

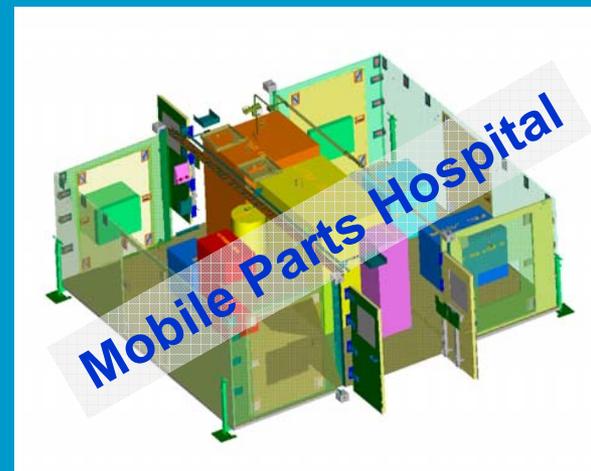


**DIRECT LABOR HOURS
FY00 – FY04**





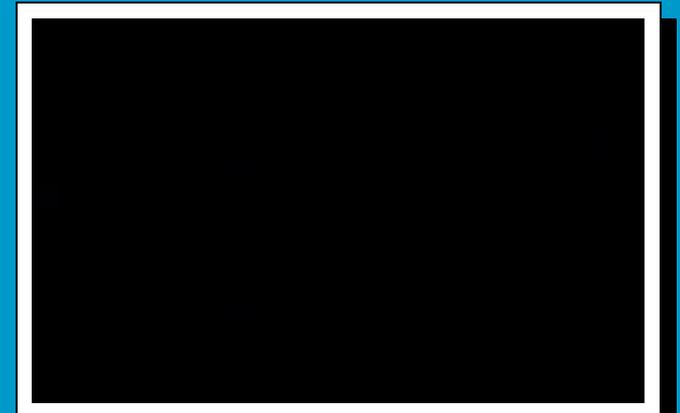
Recent Developments





Joint Support to Operation Iraqi Freedom & Global War On Terrorism

- Gun Electronic Laying Optical Night Sight (GELONS)
- Machine Gun Pedestal Mounts (M6 and prototype)
- Field Service Gages (Small Arms)
- High Mobility Multipurpose Wheeled Vehicle (HMMWV) Armor Door Survivability Kit Production
- Forward Repair System
- Shop Equipment Contact Maintenance Vehicle
- Explosive Ordnance Disposal Vehicle
- Trailer Reset Program



Provider of Choice for the 21st Century Joint Warfighter



Joint Support to Operation Iraqi Freedom & Global War On Terrorism



- Spectre AC130 Gunship – Gun Mount & Ammo Rack
- M119 Towed Howitzer, Spare/Repair Parts and Light Artillery System Improvement Program Upgrades
- M198 Towed Howitzer & Spare/Repair Parts
- Main Battle Tank & Self-Propelled Howitzer



Provider of Choice for the 21st Century Joint Warfighter



Joint Support to Operation Iraqi Freedom & Global War On Terrorism



- Civilian employee volunteers deployed
- In-Theater installation support
- Door Survivability Kits/vehicle maintenance
- Supporting over 15,000 Waiting Family Members



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Investment in People What It Takes to Become a Journeyman

Critical Skills

Basic Training

Product Specific Training

Toolmaker	6 year apprenticeship	2 - 4 years
Planner/Estimator	4 year apprenticeship	4 - 6 years
Machinist	4 year apprenticeship	2 - 4 years
Inspector	4 year apprenticeship	2 - 4 years
Recoil Mechanism Mech	4 year on-the-job	
Artillery Repairer	4 year OJT	
Electroplater	3 year OJT + education	
Welder	3 year OJT	1 - 2 years
Heat Treater	3 year OJT	1 - 2 years
Foundry Specialist	4 year apprenticeship	2 - 4 years

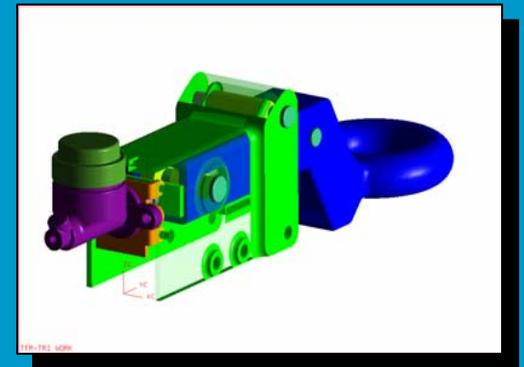
Approximately 100 specific skills to support manufacturing



JMTC Responds to Joint Warfighter Requirements



**Multi-year MOA to produce Field Service Gages
Prototype Technology Demonstrator for ARDEC
Blackhawk Gun Mount Castings for ARDEC
Prototype & Deliver Armor Kits for TARDEC
Repair RIA Bridge for Corps of Engineers
Design/Produce Forward Repair System
Prototype Explosive Ordnance Disp Vehicle
Apache Coupling Half Shaft Estimate
Produced Apache Shims & Threaded Pins
Design/Prototype High Mobility Trailer Surge Brake
Prepared 180 Iowa NG Vehicles for Deployment
Produce 1,000 M6 Pedestal Gun Mounts
HMMWV Armor Survivability Kits
ABRAMS Main Battle Tank Engine Containers
M2 Machine Gun Belt Feed Lever
Recoil Mechanism (M198 Howitzer) Overhaul for USMC Depot at Barstow**



Provider of Choice for the 21st Century Joint Warfighter

Enterprise Excellence



“The Arsenal’s manufacturing facility, information technology infrastructure, expertise, and capabilities are world-class and unparalleled within Government.”

BMP Center of Excellence

Enterprise Excellence Benefits

- Lean Manufacturing / Six Sigma
- ISO 9002 Registered
- Strategic Planning
- Presidential Quality Awards
- Army Community of Excellence Awards
- Best Manufacturing Practices

- \$252K in FY04 personnel redeployment savings
- \$917K total projected FY04 customer savings
- \$4.6M potential savings (FY05-FY09)
- Redeployed 6 personnel to other critical projects
- Freed up 34,000 square feet of floor space
- Numerous other benefits
 - 126 less flow days
 - 60 fewer forms
 - 94 safety/ergonomic issues resolved
 - 15 miles less travel distance



Before



After



Rock Island Arsenal Key Partnerships



- **Direct Sales – United Defense Limited Partners (UDLP) for Opposing Forces Training Vehicle for use at Joint and National Training Centers**
- **FMS – UDLP - M178 Gun Mount/M109 Howitzer (Egypt)**
- **FMS – M1 Tank Gun Mount – Egypt Co-Production**
- **Site Manager thru Arsenal Support Program Initiative**
- **Training Site for Welding – Deere & Co. and Blackhawk College**
- **Diversified Manufacturing – Space and Machinery Lease**
- **Grainger Industrial Supply Company**



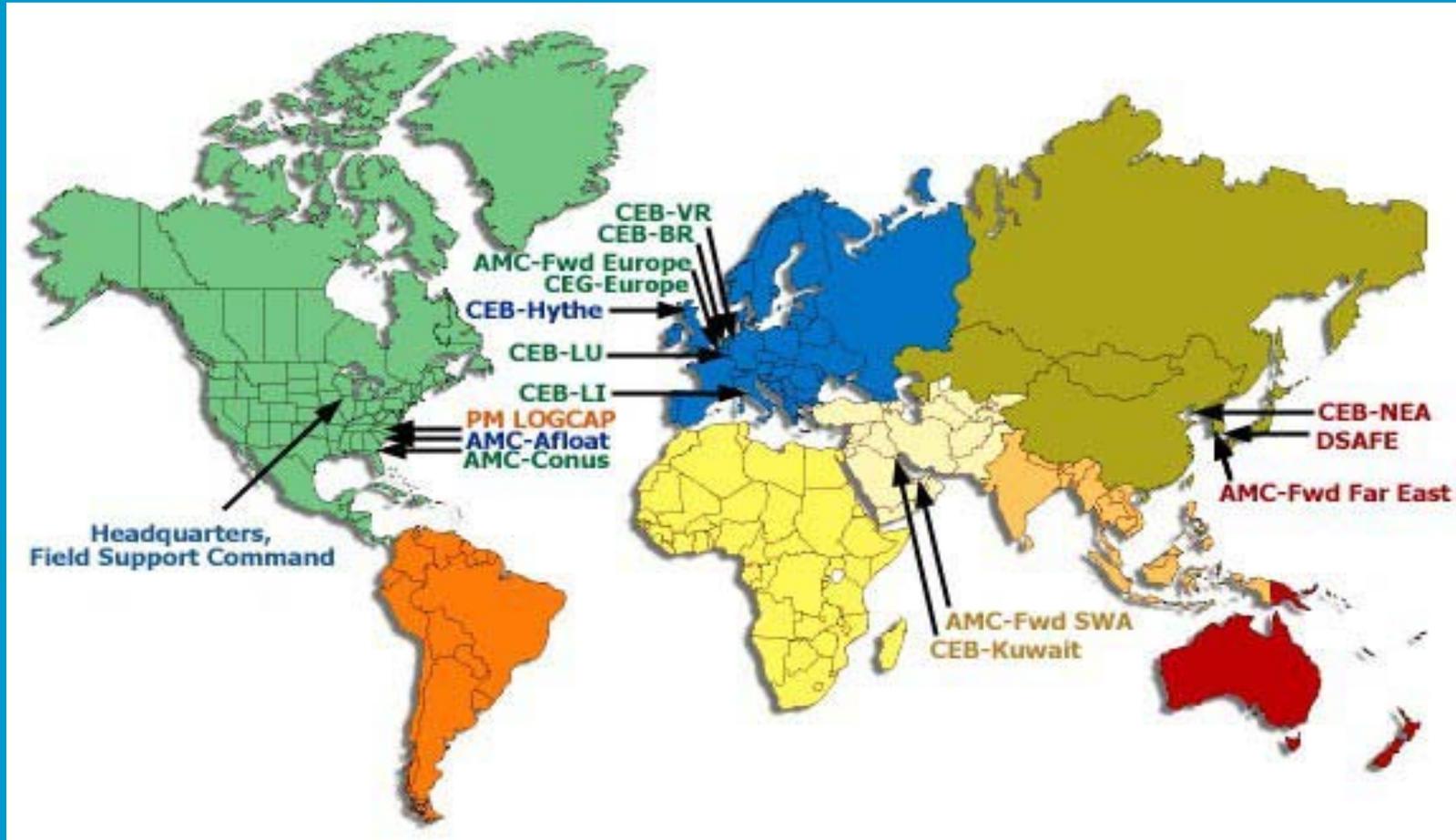
Tank-automotive and Armaments Command



Committed to Excellence – Supporting America's Warfighters



Army Field Support Command





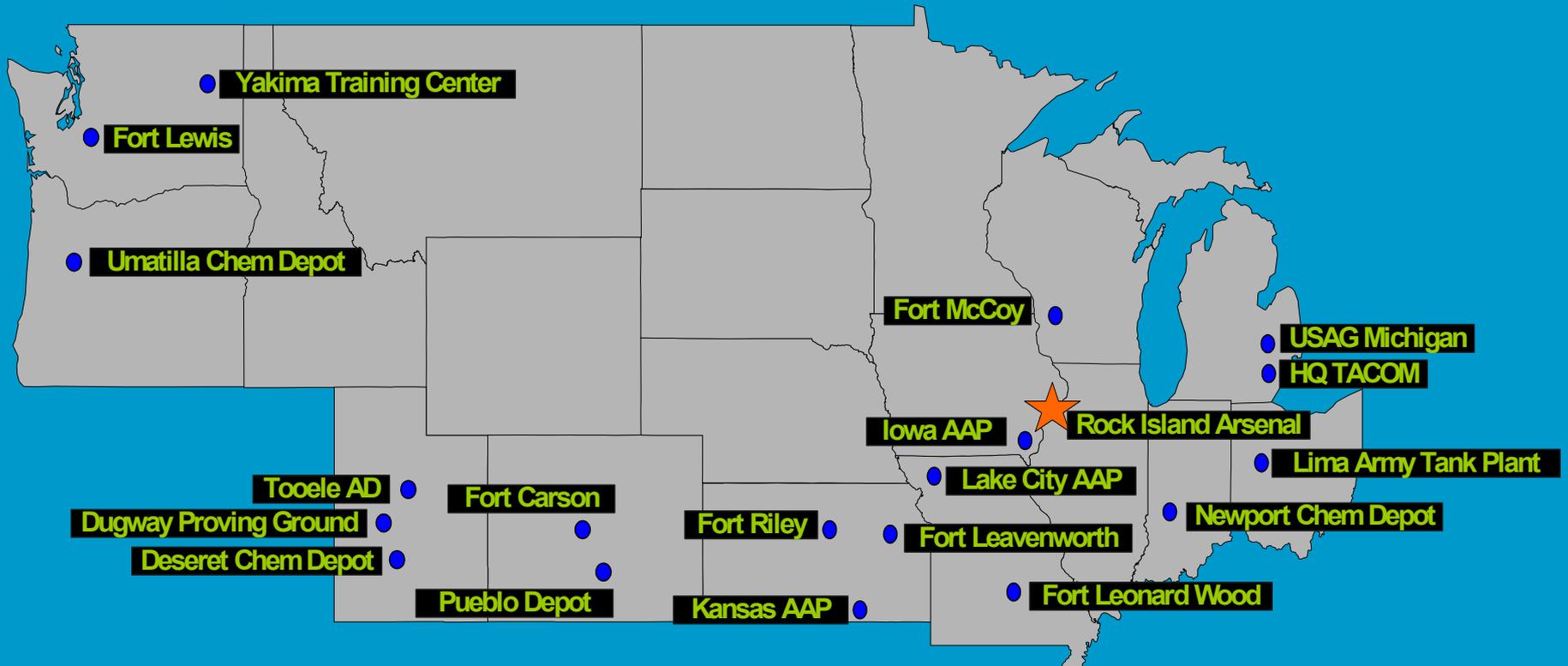
Joint Munitions Command



On the Line



Installation Management Agency (NWR)





US Army Network Enterprise Technology Command – NW Region



- **NW Region Corporate Information Officer (RCIO)**
- **Oversees largest of NETCOM / IMA regions**
- **Spans 19 states – Ohio west to Washington**
- **Single authority over Army IT infrastructure**





Civilian Personnel Support



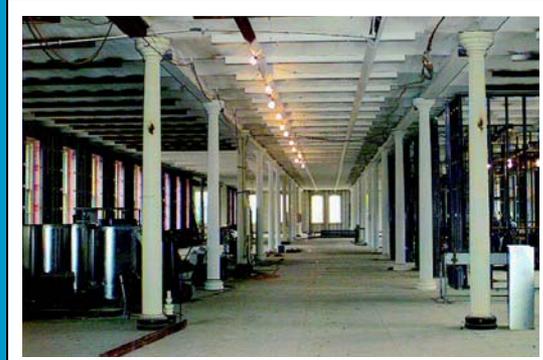
- **North Central Civilian Personnel Operations Center (NC CPOC)**
 - Global responsibilities
 - Services 35,000+ civilians
 - Handles all of the DA Interns
 - Oversees 11 Civilian Personnel Advisory Centers
- **Army Civilian Personnel Data Center**
 - THE Single Electronic Data Repository
 - Includes 210,000 DA, Army Reserve, Corps of Engineers records
 - Will include ALL DA Civilian Personnel processing systems by end CY04



Defense Finance and Accounting Service



- Provides professional finance and accounting services
- Customers are major components of the Army Materiel Command and the Army Test and Evaluation Command
- Accounts for over \$10 billion of Working Capital and Appropriated Funds



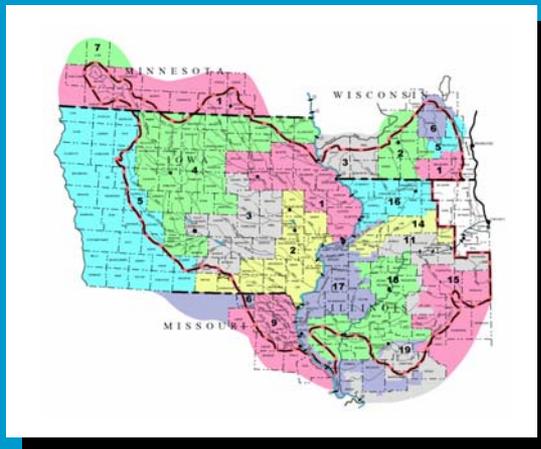
Best Value to Our Customers



US Army Corps of Engineers



- Administers federal water resource programs including
 - 314 miles of Mississippi River
 - 268 miles of Illinois River and its tributaries
- Provides engineering expertise for navigation, flood protection, environmental restoration, and emergency response

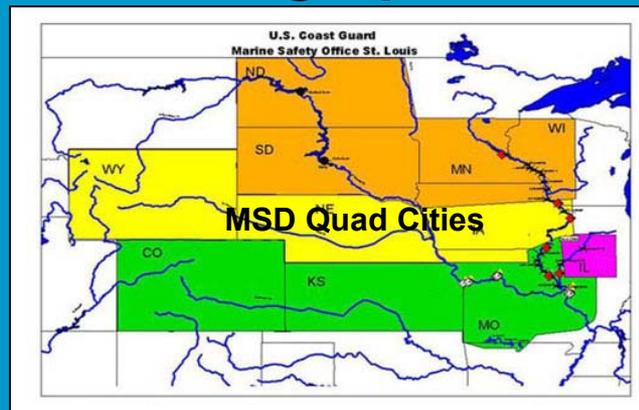




US Coast Guard Marine Safety Detachment



- Subordinate unit of the Marine Safety Office St. Louis
- Enforce our nation's laws and regulations along 500 miles of the Mississippi and Missouri Rivers
- Port security, vessel inspection, marine casualty investigation, pollution response
- 24.5 million tons of cargo pass through the Quad Cities annually



Guardians of the Heartland



Naval & Marine Corps Reserve Center



- Provide
 - Fully trained and ready reservists to the active force
 - Intermediate maintenance support
- Support 163 reservists



Rock Island Pride



Installation Tenants

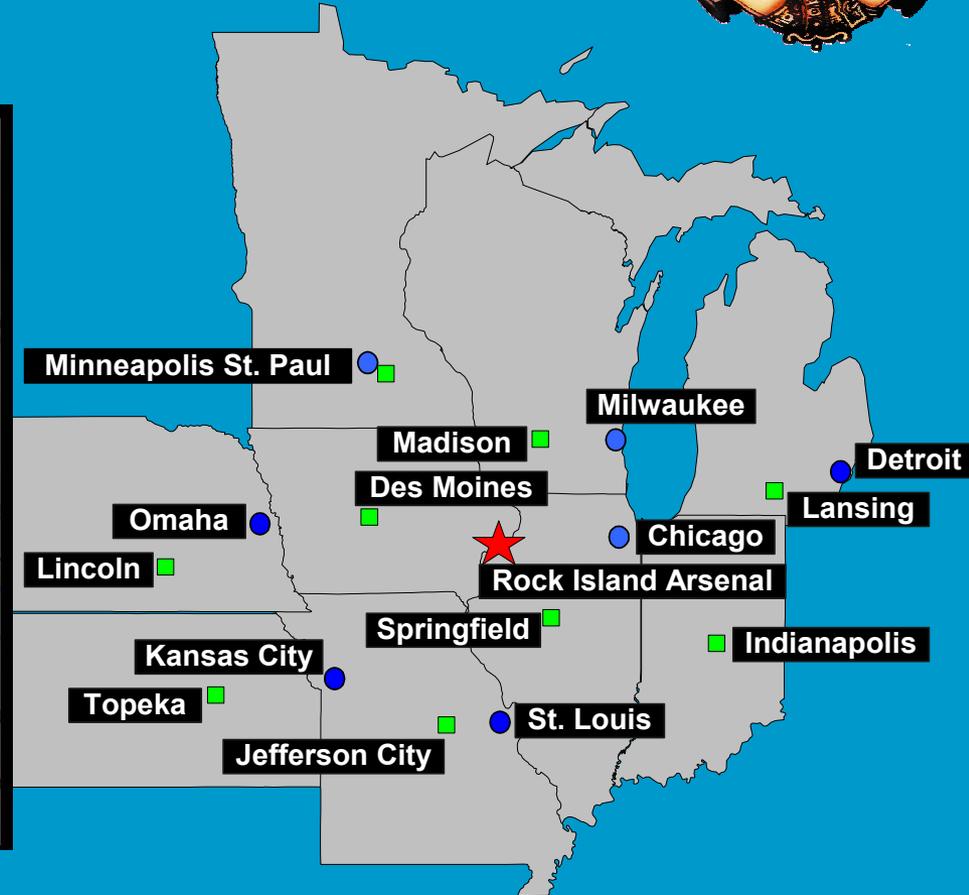


Defense Acquisition University
Defense Commissary Agency
Defense Computing Services Detachment
Defense Contract Management Agency
Defense Finance & Accounting Service
Defense Logistics Agency Liaison
Document Automation & Production Service
Defense Reutilization and Marketing Office
Air Force Liaison Office
Army Acquisition Corps
Army & Air Force Post Exchange
Army Armament Research & Dev Eng Cmd
Army Research & Dev Cmd (QED Site)
Army Audit Agency
Army Civilian Data Center
Army COE – RI District
COE - Huntsville
Army Environmental Center
Army Field Support Command
DA Civilian Personnel Regionalization
Army Joint Munitions Command
Army Health Clinic
Army IMA Northwest Region
Army Materiel System Analysis Activity
Army Medical Command – Liaison
Alliant Tech Systems
Marine Corps Liaison Office (Supply)
Edgewood Chemical and Biological Center

Army RI Resident Agency (CID)
Army RI Fraud Resident Agency
Army Tank-automotive & Armaments Cmd
Army TMDE Support Center
Army Veterinary Inspection Office
Army Community Family Support
625th Transportation Detachment
BRAC Disposal Team
Defense Ammo Center Liaison Office
Network Enterprise Technology Cmd – NW Reg
North Central Civilian Personnel Operations Center
RI Resident Office (902d MI Group)
USAR Multi-functional Support Command
Marine Corps Liaison Office
Marine Corps Reserve
Navy Liaison Office
Naval Reserve
Marine Safety Detachment, Quad Cities Coast Guard
Rock Island National Cemetery
Fish & Wildlife Service
Quad City Labor Mgt Council
TDF Corporation
PB AAMMO Demil LLC
General Dynamics Ordnance & Tactical Support
Modular Furniture Service
5-T Office Services
FR Countermeasures, Inc
Grainger Industrial Supply
ASPI Site Manager



Strategic Location



Provider of Choice for the 21st Century Joint Warfighter



Arsenal Island Regional Impact

**Second Largest
Employer in the Region**

**Total Strength
5,728**

**Strong Community &
Congressional Support**

**Skilled
Manufacturing Jobs**

**Community Jobs
11,456**

**Consumer Price Index
Quad Cities: 178.3
National: 184.0**

**Economic Impact
\$1.02B**

Provider of Choice for the 21st Century Joint Warfighter



Facility Utilization/Availability

Manufacturing	2,482K sq ft
Available	503K sq ft
Warehouse	1,990K sq ft
Available	563K sq ft
Administrative	1,607K sq ft
Available	827K sq ft
Other	493K sq ft
Acres	950 acres
Buildable Acres	336 acres

Potential for 8,000+ more employees



Potential Additional Uses For Installation



- **Headquarters**
 - DoD Joint Logistics
 - Army Materiel Command Subordinate Commands
- **Regional**
 - Homeland Defense Center
 - Contracting Agency
 - Computer facilities
- **Additional DoD/DA Manufacturing Activities**
- **Deployment Platform – Military/Civilian**
- **Research Laboratory**
- **FEMA Warehouse/Disaster Response Site**



It's Still About The Joint Warfighter



- **Essential National Defense Component**
- **Global Contributor to the Relevant, Ready Joint Force**
 - Precision Manufacturing
 - Soldier Support
 - Armament Sustainment
 - Ammunition Logistics
 - Personnel Management
 - Installation Excellence

Provider of Choice for the 21st Century Joint Warfighter