



Tobyhanna Army Depot Marketing Brief

April 2015





Tobyhanna Army Depot

- Marketing Brief
 - History
 - Mission
 - Installation Characteristics
 - C4ISR Systems
 - Business Focus Areas
 - Public to Private Partnering
 - Synergism and Success





History

- Army presence since 1912
- Artillery training site and ambulance crew training site during WWI
- Civilian Conservation Corps Camp during Depression
- Artillery training site, glider storage site and POW camp during WWII
- Opened as Tobyhanna Signal Depot in February 1953





Strategic Location

Helipad

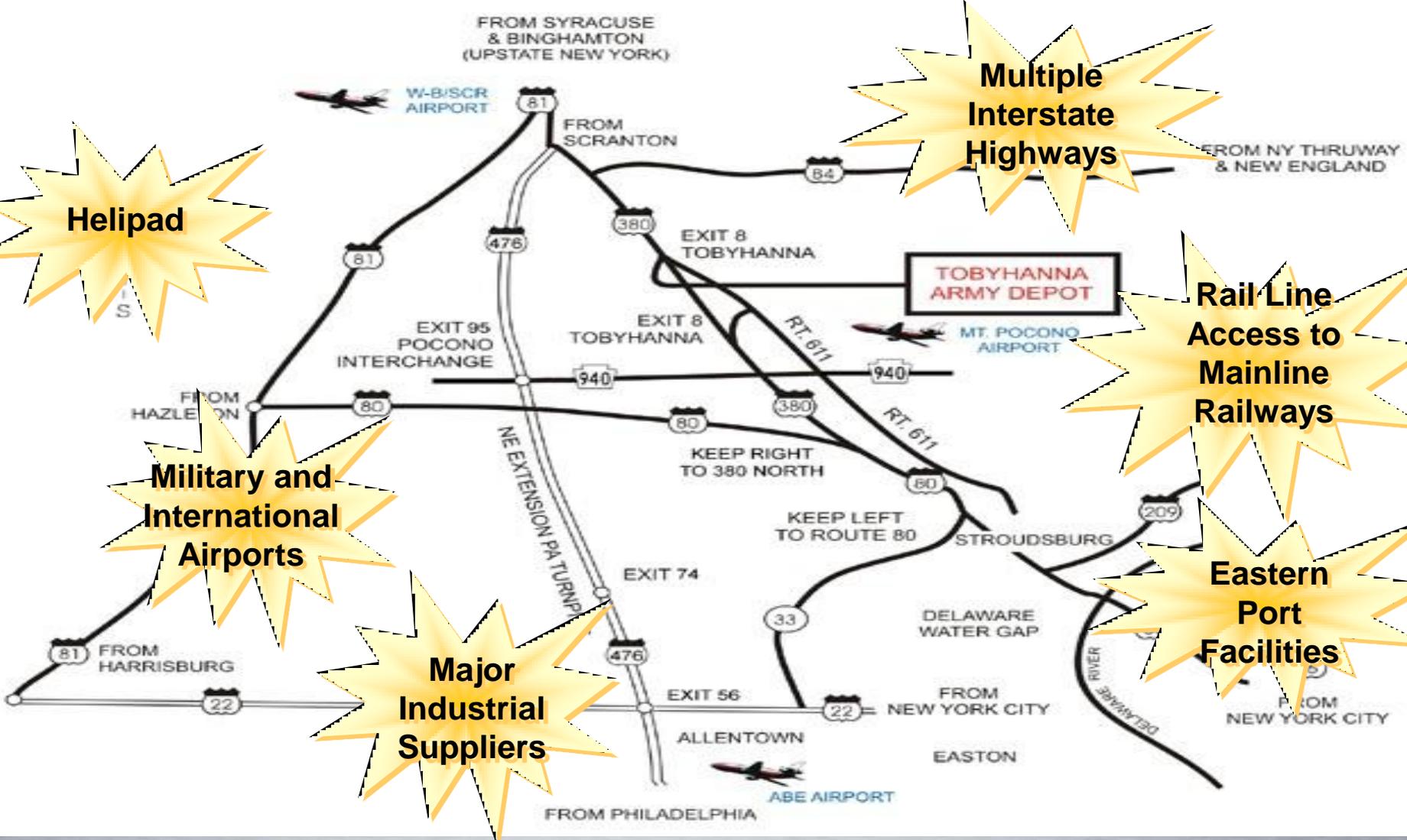
Multiple Interstate Highways

Rail Line Access to Mainline Railways

Military and International Airports

Major Industrial Suppliers

Eastern Port Facilities





Mission

Provide Superior Logistics Support, Sustainment, Manufacturing, Integration, and Field Support for Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Systems for the Joint Warfighter – Worldwide.



DoDs Premier Joint C4ISR Logistics Support Provider





Installation Characteristics

1,296 Total Acres
Reversionary Rights to 21K Acres
Total Value: \$1.1B
2.4M SF Mission
61% Under One Roof
15% Efficiency Factor

**Capacity Available for
Additional Workload**

	C4ISR Mission Area
	DLA Supply and Storage
	LOGSA Facility
	Integrated C4ISR Antenna and Range Radar Campus
	Regional Training Site - Maintenance





Army Working Capital Fund

Depots Operate Like a Business

Title 10 USC § 2472
Depot
Manage/Hire to
Funded Workload

Operates
On A
Profit / Loss

Buyer / Seller
Relationship

Capital
Equipment
(Purchase /
Depreciate)

Must Produce
Quality Product
On Time
Within Cost

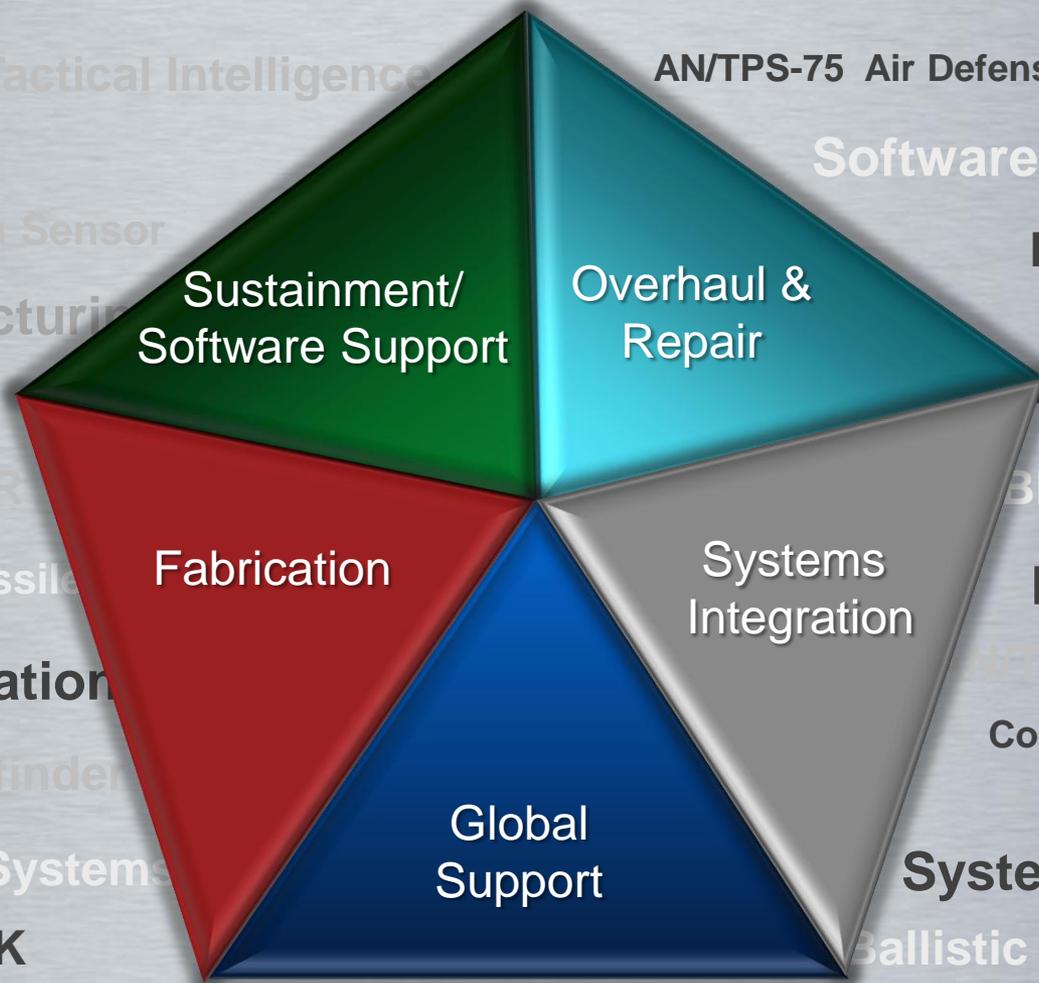
TYAD is the Best Value

Lowest
Expensing
Rates in OIB





Life Cycle Logistics Support



AN/TPS-75 Air Defense Radar System

Software Support

MUTES

SMART-T

SINGGARS

Guardrail/Common Sensor

M-65 Maverick Missile

Blue Force Tracking

Field Support

NTSC-93 TACSAT

Counter IED Systems

CPS&I

System Enhancement

Ballistic Missile Defense

Sustainment/
Software Support

Overhaul &
Repair

Fabrication

Global
Support

Systems
Integration

Ground Station – Tactical Intelligence

Additive Manufacturing

AN/TRC-170

AN/TPQ-50 LCMR

AIM-9 Sidewinder Missile

Technical Publication

AN/TPQ-36/37 Firefinder

Unmanned Aerial Systems

AN/MPN-14K





Sustainment

Life Cycle Support Services

Engineering Services

Public-Private Partnerships

Technical Assistance

New Equipment Training

Systems Fielding

- Sustaining Operational Capabilities for Joint Forces
- Worldwide C4ISR Support for Warfighter Readiness



Reset



Training / Ready



Available





Overhaul & Repair

Circuit Cards ... to Strategic Satellite Terminals

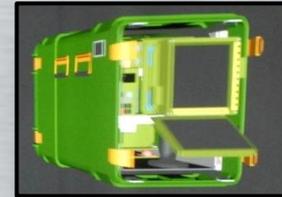
- Overhaul & Repair
 - Depot Maintenance Work Requirement / Statement of Work
 - Modification Work Orders
 - Fabrication of Obsolescent Parts
 - Special Tests (Vibration, Temperature, Thermal Imaging, Simulators)
- Reset (since 2003)
 - 1,730 Critical Programs
 - Repaired 268,061 Items
 - Ready Units to Redeploy





Engineering Capabilities

- Computer-aided Engineering
- Design and Development
- Technology Insertion
- Rapid Prototyping
- Additive Manufacturing
- Software Support
- Interactive Electronic Technical Manuals



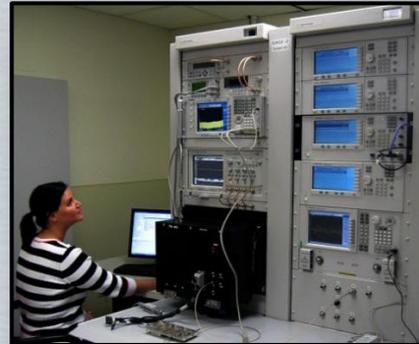
Plastic
Prototype



Rapid Prototyping Machine



Computer-aided Engineering Design



C4ISR Automated Test System



Interactive Electronic
Tech Documents

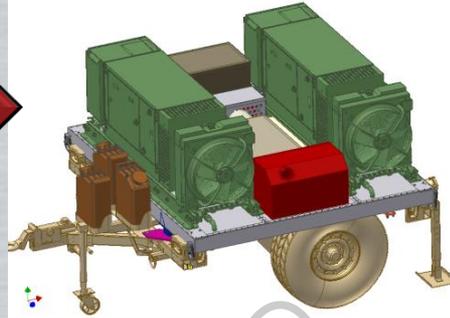




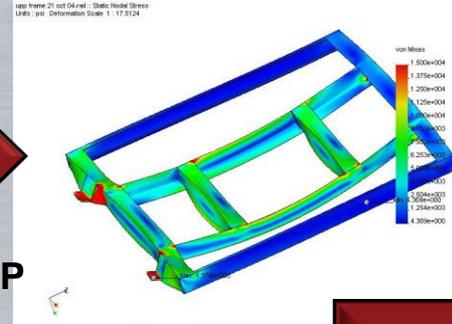
Engineering Capabilities

Universal Power Pack Concept

From **CONCEPT**



DESIGN & DEVELOP



Extend Fuel Capacity and Run Time

C4ISR



TESTING

INTEGRATE

To **COMBAT**

FABRICATE



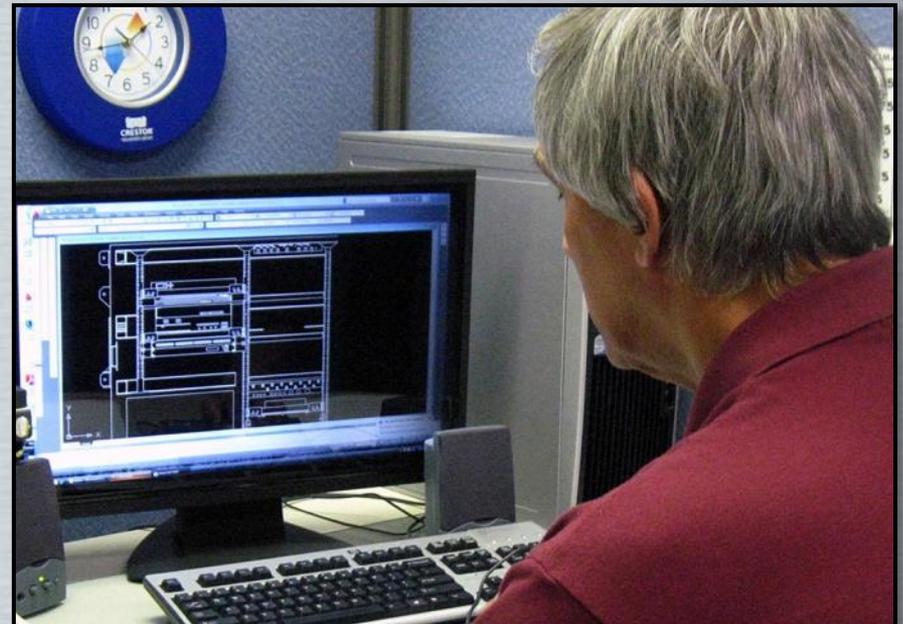


Integrated Logistics Support



- Technical Manuals:
 - Electronic Technical Manuals
 - Interactive Electronic Technical Manuals
 - Requests for Nomenclature
 - Maintenance Allocation Charts (MAC)

- Project Management
- Configuration Management
- Level of Repair Analysis (LORA)
- Core Depot Assessment (CDA)
- Depot Source of Repair (DSOR)





Fabrication/Manufacturing

- Electronic Assemblies
 - Cable Fabrication/Assemblies
 - Power and Data Systems
 - Electronic Equipment Assemblies
- Mechanical Assemblies
 - Equipment Racks and Installation
 - Blue Force Tracking Kits
 - CROWS Diagnostic Kits
 - Advanced Combat Helmet Brackets



Cable Fabrication



Nett Warrior Cable Fabrication



Blue Force Tracking Kit



CROWS Diagnostic Kit





Systems Integration

Downsizing

Transportability

Technology
Insertion

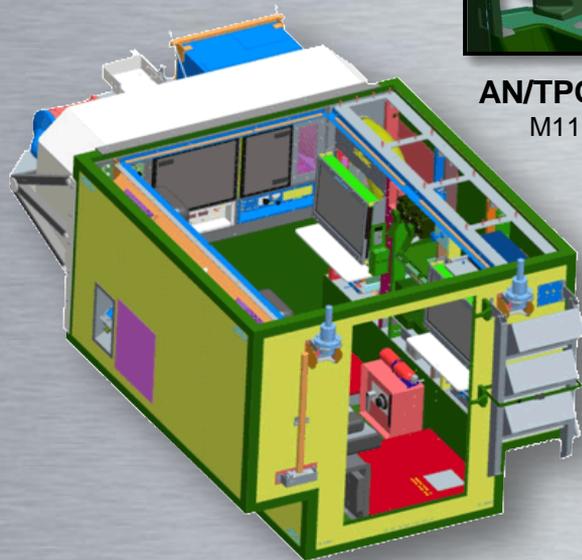
Enhanced
Capability

Common Shelter
OK-398 (V)9,
AN/TPQ-37 Firefinder Radar



AN/TPQ-37 Cab Kit,
M1113 HMMWV

- Design
- Virtual Prototype
- Fabrication
- Test
- Configuration Management
- Field/Train
- Sustainment

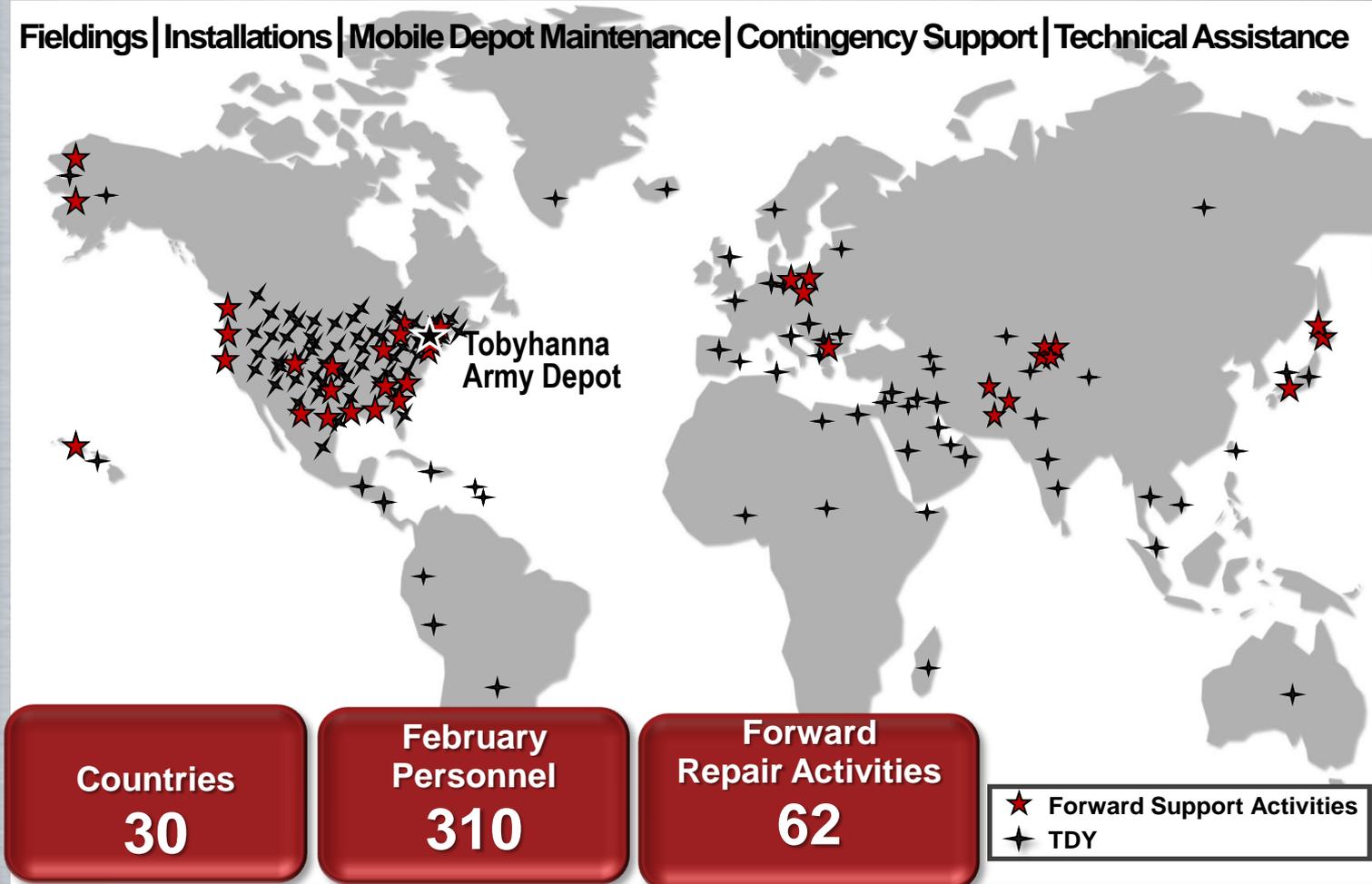




Global C4ISR Support

JB McGuire-Dix-Lakehurst
 Hunter Army Airfield
 JB Lewis-McChord
 Corpus Christi AD
 Schofield Barracks
 FT Indiantown Gap
 Virginia Beach, VA
 Sam Houston, TX
 Rosemount, MN
 Camp Lejeune
 Huntsville, AL
 Anderson, SC
 Savannah, GA
 Aberdeen, MD
 Schriever AFB
 Camp Mabry
 Beaufort, SC
 FT Campbell
 Cherry Point
 FT Benning
 FT Stewart
 Ft. Gordon
 Elgin AFB
 FT Carson
 FT Bragg
 FT Drum
 FT Hood
 FT Knox
 FT Bliss
 FT Riley
 FT Irwin
 FT Polk
 FT Lee
 FT Sill
 Germany
 Alaska
 Hawaii
 Japan
 Korea
 Italy
 Kuwait
 Afghanistan
 Qatar

Fieldings | Installations | Mobile Depot Maintenance | Contingency Support | Technical Assistance





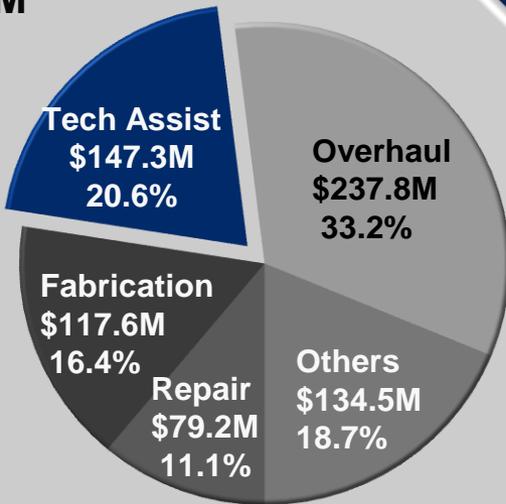
Business Profile

- FY15 New Orders Plan YTD: \$508.3M
- Total # of Orders: 2827
- Average Quantity / Order: 37
- Average Value / Order: \$253,404



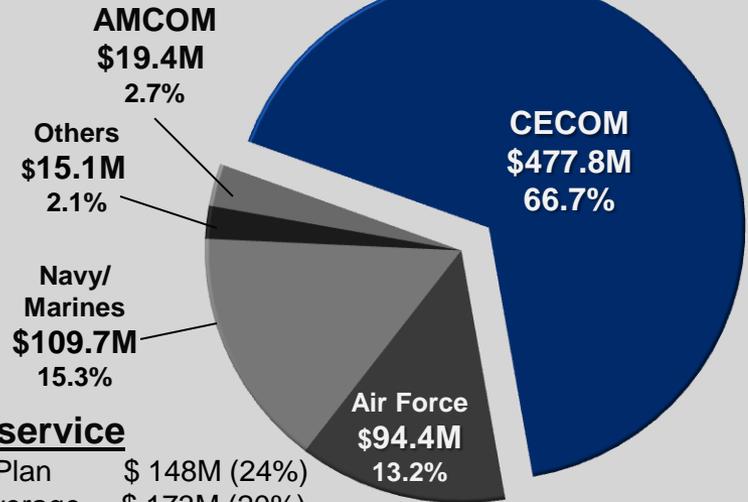
Remaining Work by Type

\$716.4M



Remaining Work by Customer

\$716.4M



Interservice

FY15 Plan	\$ 148M (24%)
5 yr Average	\$ 173M (20%)
10 yr Average	\$ 177M (22%)

[28 Feb15]





Partnerships

Aerometals



*Partnerships Leverage Resources,
Innovation, Leadership of each
Enterprise to Benefit the Warfighter*



*Partnering is a Cooperative Effort
Not a Competitive Engagement*



- Improve Operational Efficiencies
- Lower the Cost of Products and Services
- Accelerate Innovation
- Secure Private Investment
- Sustain Critical Skills and Capabilities

Raytheon

NORTHROP GRUMMAN

Rockwell Collins
Building trust every day



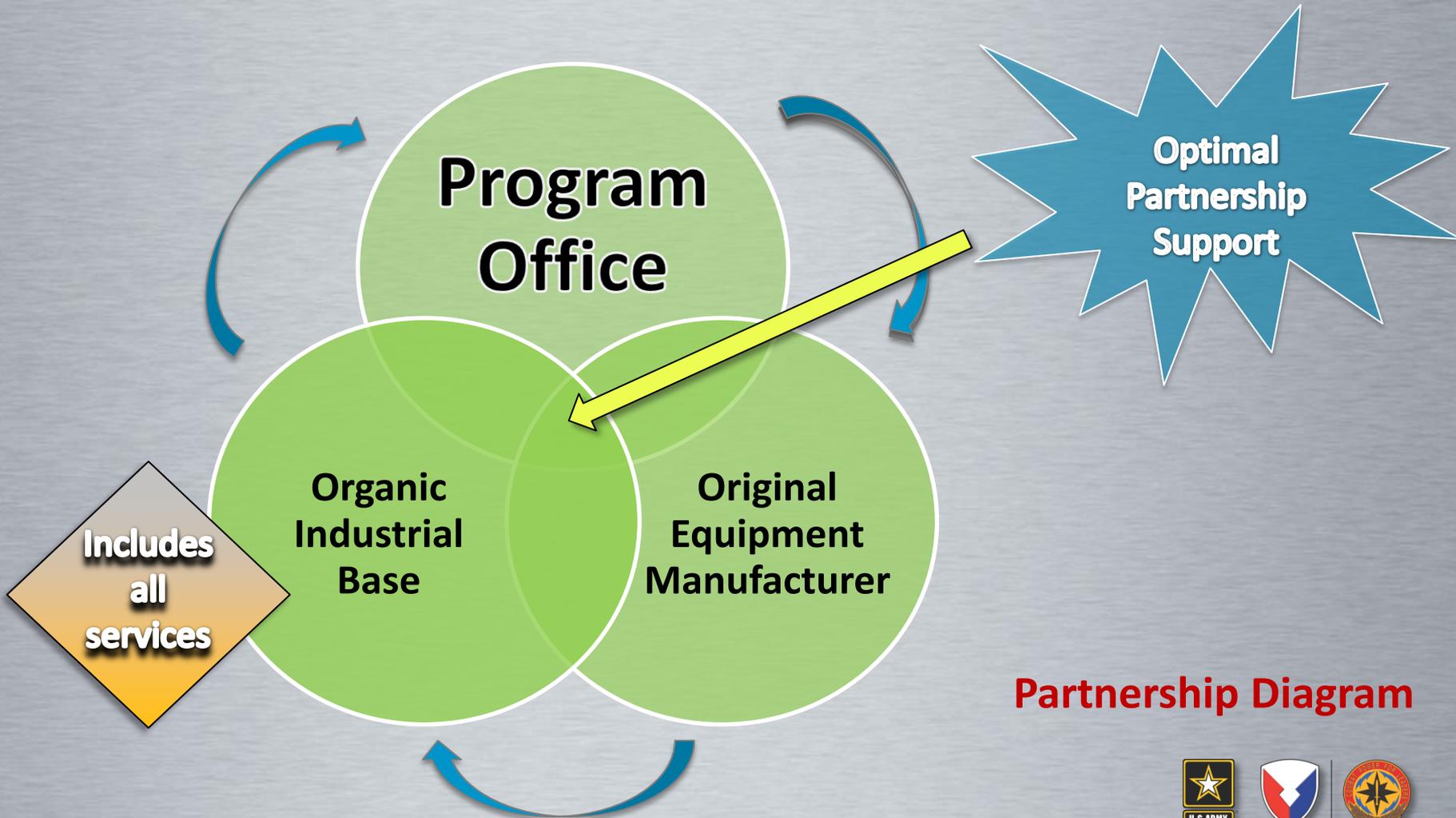
Derco Aerospace Inc.
A Sikorsky Aerospace Services Company





Partnering Mixture

Ensure a ready and controlled source capable of providing combat ready weapon systems anytime and anywhere efficiently and effectively





DoD Directive/Instruction

- DoDD 5000.01, The Defense Acquisition System, paragraph E1.17, certified current as of Nov. 20, 2007, which states: “Sustainment strategies shall include the best use of public and private sector capabilities through government/industry partnering initiatives, in accordance with statutory requirements.”
- DoDI 4151.21, Public-Private Partnerships for Depot-Level Maintenance, April 25, 2007, states: “Public-private partnerships for depot-level maintenance shall be employed whenever cost effective in providing improved support to the warfighter, and to maximize the utilization of the government’s facilities, equipment, and personnel at DoD depot-level maintenance activities.”





Regulations

Applicable Statutes under Title 10 USC

- 2474 - Center of Industrial and Technical Excellence (CITE)
 - Depot maintenance activities designated as CITE authorized and encouraged to enter into public-private partnerships
 - Work must be related to core competencies
- 2208j - Subcontracting by competitive sale of articles and services
 - DoD contract and open competition or
 - Satisfies the intent of 2474
- 4543 - Direct Sales of manufactured articles or services
 - Requires commercial non-availability statement
- 4544 – Cooperative Arrangement
 - Gives arsenals/ammunition plants 2474-like authority
 - Commercial articles or services require non-availability statement
- 2667 – Leasing
- FAR Part 45 Facility Use





Joint Electronics Designations



Army

Center of Industrial and Technical Excellence (CITE) for C4ISR, Electronics, Avionics and Missile Guidance and Control

Air Force

Technology Repair Center (TRC) for Command, Control, Communications, Computers and Intelligence and Tactical Missiles





CITE Significance

- New Weapon System Development
 - Core Determination
 - Depot Source of Repair (Organic)
 - Determined by CITE with all services
 - Enables the Program Office to establish an Organic Support structure for the program and POM Process for capabilities and facilities
 - Allows for collaboration to enact leader-follower plan for transition from production to sustainment
 - Increased collaboration increases trust



*Title 10 USC § 2464
CORE Workload Defined
with Organic Sustainment
Implications*

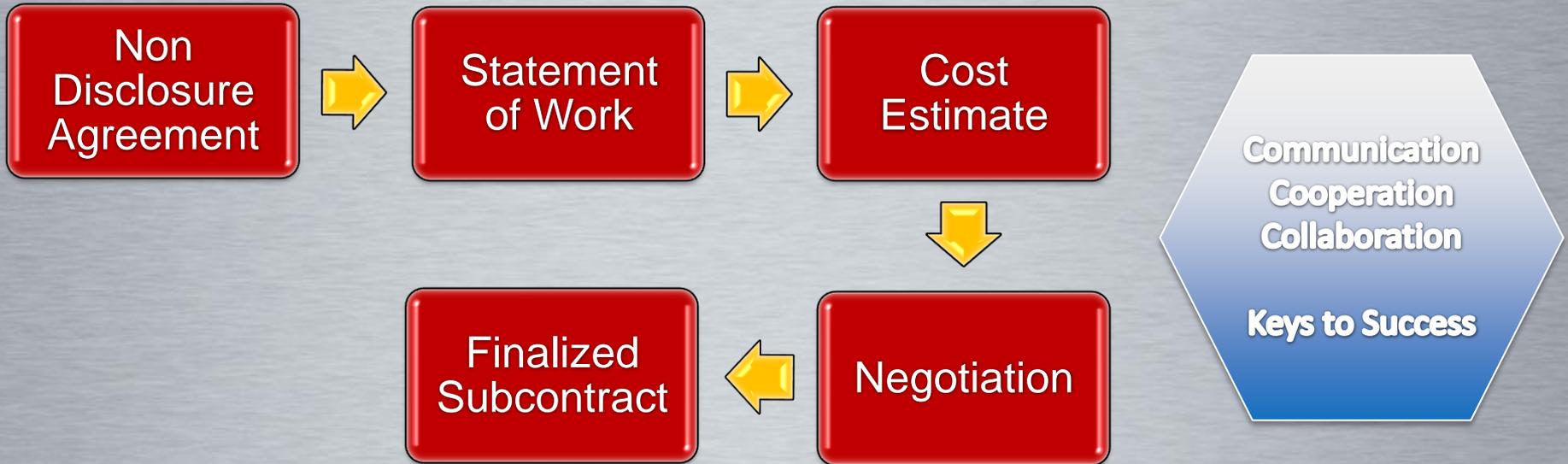
*Title 10 USC § 2474
Partnership Authority
At Organic Facilities –
Aligned by CITE*

*Title 10 USC § 2466 -
Limitations on the
performance of depot-
level maintenance of
materiel - 50/50*





Process to Partner

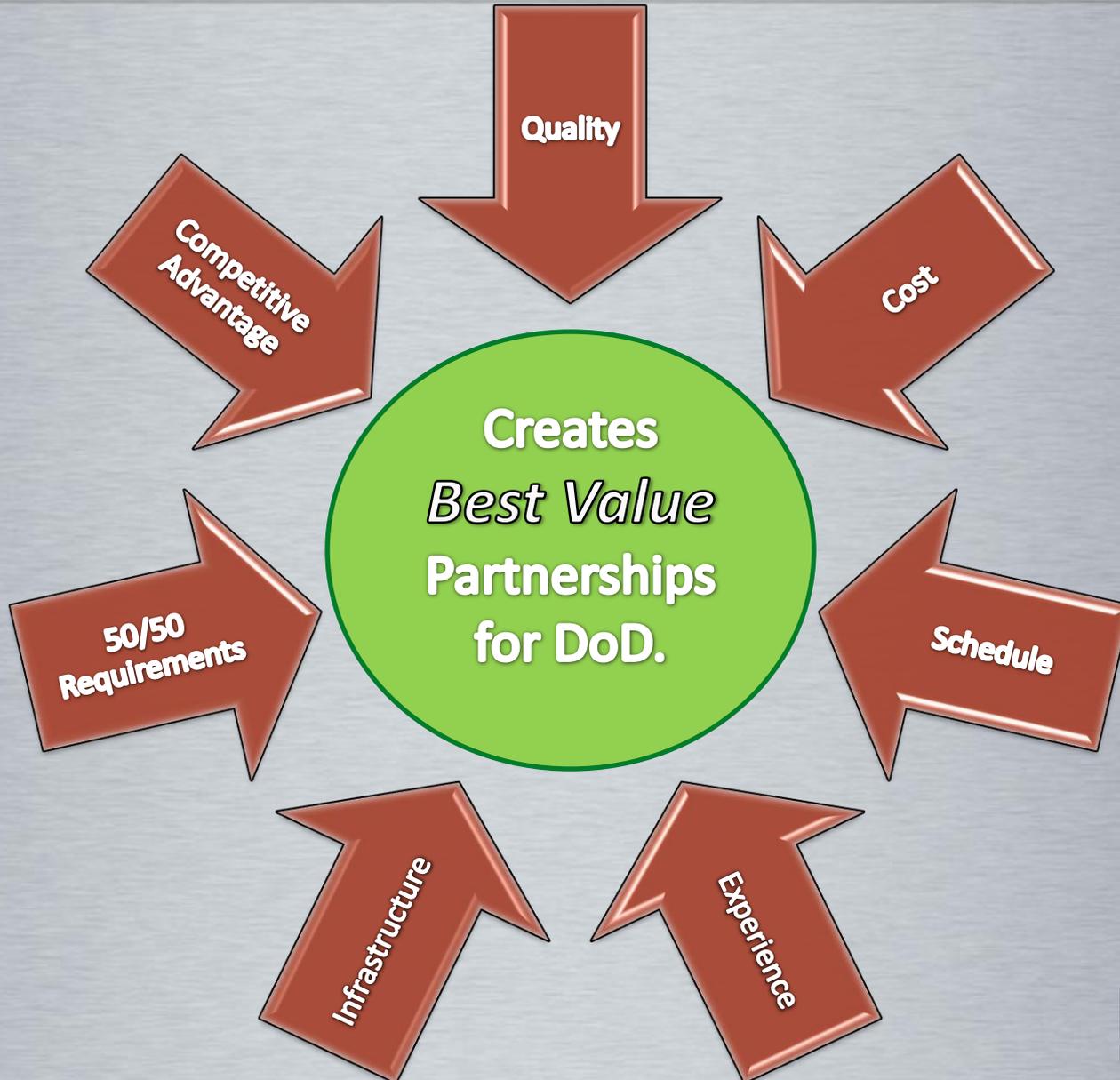


**Process is driven by strong customer relationships.
Complete cooperation and sharing of technical information
ensures a faster pathway to a subcontract.**



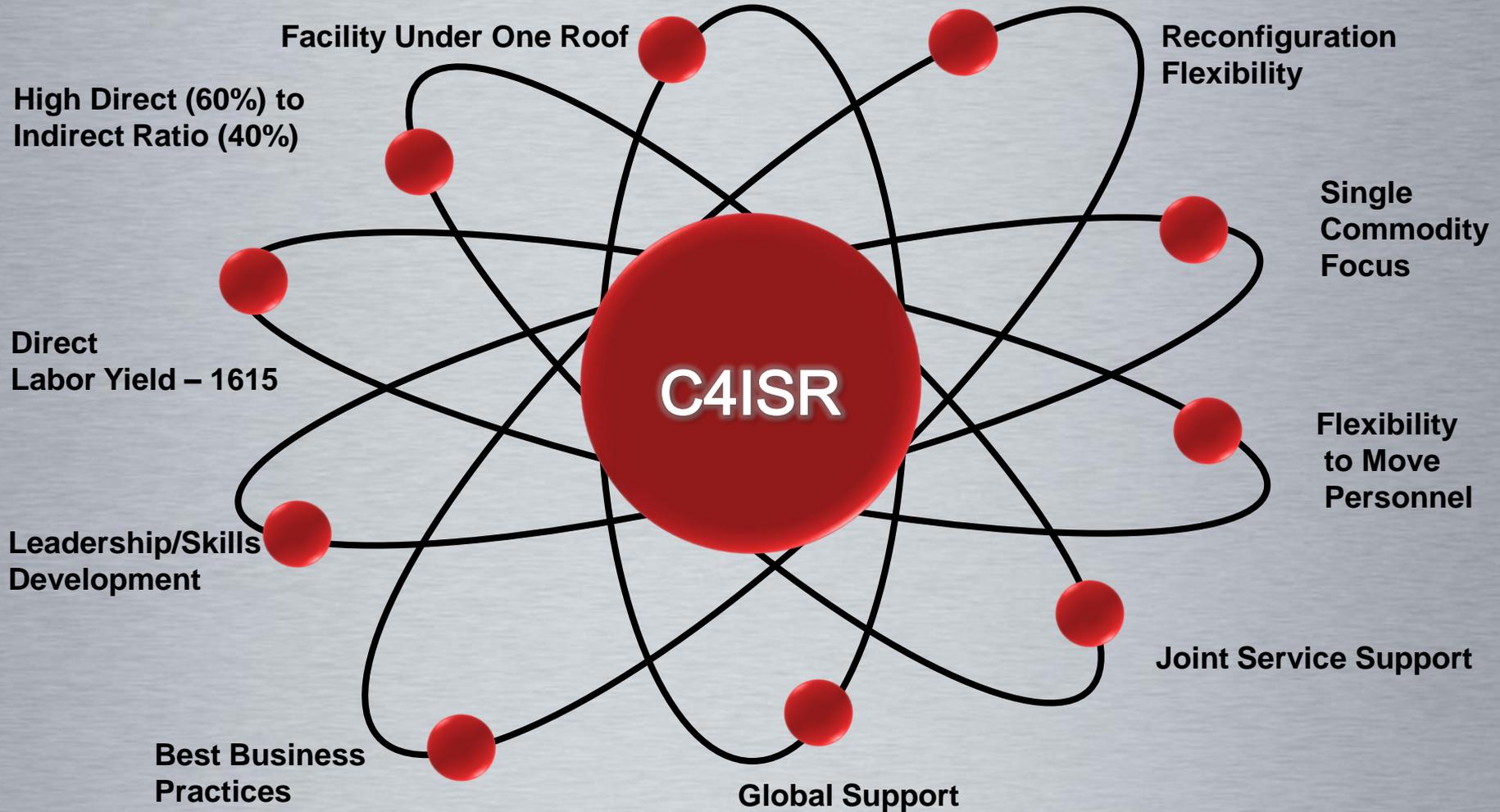


Partnering Benefits





Synergism and Success





Vision

The Department of Defense

Joint C4ISR Logistics Support Center

of Choice for Warfighter

**READINESS and
TRANSFORMATION**





Industry Day

C4ISR Center; Agile, Flexible, Responsive

9-10-June 2015

Landing, 0800-1600

- Tobyhanna Army Depot invites Industry to attend our capability demonstration which includes a tour of the facility, briefs on our capabilities, public to private partnering, and updates on upcoming contracts



TYAD Capability Showcase

Join the conversation and business Opportunities at
the Tobyhanna Army Depot Capability Showcase





Point of Contacts

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 - 570-615-8749
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- For more information visit:
 - <http://www.tobyhanna.army.mil/>





At the End of the Day...



It's all about the Warfighter!





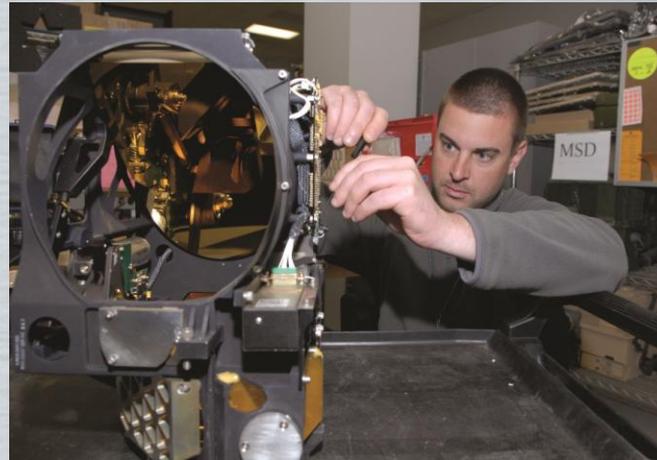
BACKUP CHARTS





Electro-Optics/Night Vision

- AN/TVS-5 Night Vision Goggles
- Driver Visual Enhancer (DVE)
- Thermal Imaging Systems
- Long-Range Advanced Scout Surveillance System (LRAS3)
- AN/TAS-4 Thermal Sight
- AN/UAS Family of Thermal Systems
- Common Remotely Operated Weapon Stations (CROWS)
- Improved Bradley Acquisition System (IBAS)
- Full Motion Video





Fabrication

- Full Structural Repair and Overhaul, including Disassembly and Integration of Shelters, Vans, Trailers, Track Trailers, and Tactical Systems such as, Radars, Satellite Communications Systems, Air Traffic Control and Surveillance Systems and Command and Control Systems.
- Fabrication of Mechanical, Electrical, Electronic and Electro-Mechanical Components and Assemblies
- Machining Operations Fully Equipped and Automated with Computer Numerically Controlled (CNC) Lathes, Vertical Milling Machines, Saws and Manual Lathes
- Sheet Metal Support with CNC Punch Presses, Laser Shears and Brakes
- Welding for Aluminum (MIG and TIG) and Steel (MIG and Stick)
- Repair and Fabrication for Multi-Conductor, Large Gauge Power and Fiber Optic Cables, Harnesses and Circuit Card Assemblies
- Full Integration of Cables, Junction Boxes and Shelter Utilities
- Metal Photo Fabrication of Nomenclature/Schematic Metal, Vinyl or Plastic Nameplates, Labels and Decals
- Fabric Applications





New Equipment Training

- Mobile Training Teams consisting of more than 20 core instructors bring training to the Warfighter
- Over the last six years, provide Battlefield Awareness training to more than 7,000 soldiers and civilians both foreign and domestic
 - Support Army, Reserve, National Guard and global Foreign military customer base
- Conduct formalized classroom instruction and over-the-shoulder training
- Instructor cadre are Training and Doctrine Command (TRADOC) certified
- Utilize TRADOC Systems Approach to training management, processes and products
- Incorporate performance specification training data products MIL-PRF-29612B
- Conduct pre-training joint system checks/reviews, training site surveys and development
- Prototype, develop, maintain and field comprehensive training support packages
- Coordinate with on site Field Service Representatives (FSR)
- Assist with equipment and documentation transfer/hand off
- Conduct certification level training in Fiber Optic Repair and Environmental Protection Agency (EPA) 608 and 609





New Equipment Training (continued)

•Supported Systems

- Language Labs
- Guardian
- Generators
- Various Electro-Optic Night Vision (EO/NV) Platforms
- Drivers Vision Enhancer (DVE)
- Vehicle Optics Sensor System (VOSS)
- Tactical Operations Center (TOC)
- Command Post Platform (CPP)
- Command Post Communications System (CPCS)
- Command Center Systems (CSS)
- Trailer Mounted Support System (TMSS)
- Field Service Representative Academy
- Air Defense and Airspace Management (ADAM)
- Harbor Master
- Stryker
- Lighting Kit Motion Detector (LKMD)
- Battlefield Anti-Intrusion System (BAIS)
- Global Broadcast Service (GBS)
- Various Satellite Communications Platforms
- Command and Control On The Move
- Defense Advanced Global Positioning System Receiver (DAGR)
- Common Remotely Operated Weapon Station (CROWS)





Technical Publications

- Integrated Logistics Support (ILS)
 - Develops, validates and verifies technical manuals (TM) and repair parts and special tools lists (RPSTL) in accordance with MIL-STD-40051-1A and MIL-STD-40051-2A
 - Develops hard copies and/or digital files of developed TMs, RPSTL and provisioning parts lists
 - Prepares provisioning parts lists (PPL), short form provisioning parts lists (SFPPL) and the PPL database
 - Develops Maintenance Allocation Charts (MAC)
 - Prepares flat line and isometric illustrations using Computed Aided Drafting (CAD) tools and/or drafting requirements for Depot Maintenance Work Requirements (DMWR), TMs and RPSTLs
 - Develops Modification Work Orders (MWO), field change bulletins and DMWRs
 - Evaluates contractor prepared technical data





Technical Publications (continued)

- Additional Services

- Provides representatives to CECOM LCMC and Major Subordinate Commands (MSC) management, Logistics Support Analyses (LSA/LSAR) review teams
- Documents and incorporates any modification to existing Weapon/Electronics/Communication Systems technical documentation
- Prepares and reviews depot maintenance studies, ILS plans, TM Plans (TMP) and provides recommendations and comments
- Prepares Level of Repair Analysis (LORA) and Computerized Optimization Model for Predicting and Analyzing Support Scenarios (COMPASS) runs
- Supports contracting efforts





Software Skill Requirements

▪ TYAD partners with CECOM Software Engineering Center (SEC) to provide Post Production Software Support for C4ISR systems

IAT Level I	IAT Level II
A+	GSEC
Network+	SCNP
SSCP	Security+
	SSCP
IAM Level I	IAM Level II
CAP	CAP
GISF	GSLC
GSLC	CISM
Security+	CISSP (or Associate)

• Other Certifications includes CISSP, MCSA, Server +, OCP+ 10G, OCA 9i. RHEL 6, ITIL V3, A&P Cert, A&P/IA, FCC Lic, MS Ent. Adm, PMP, MCTS, MCP, MS Exchange, Novell Network, SAN, etc.

Multi-Skilled

- Windows Platform
- UNIX/Solaris
- System Administration
- Network Management
- Exchange and Outlook
- Messaging Standards
- Worldwide deployable
- TS/SCI cleared
- A+/NETWORK+/SECURITY+
- Metadata standards
- Database Maintenance
- ORACLE/MYSQL
- VMWARE
- Web-Services Maintenance
- Information Architecture
- Information Shaping
- System/Military Domain Exp
- MS SharePoint

Multi-Functions

- Software upgrade/installations/configuration
- Sustainment support
- Troubleshooting systems/network/software
- Information Assurance (IA) issues
- Over the shoulder training
- System and Database admin function
- Operational and Historical knowledge

