

TOBYHANNA ARMY DEPOT



U.S. ARMY



Best Value
for the **WARFIGHTER**



ABOUT TOBYHANNA

Tobyhanna Army Depot is a recognized leader in providing world-class logistics support for command, control, communications, computers, cyber, intelligence, surveillance and reconnaissance (C5ISR) systems across the Department of Defense (DOD). Tobyhanna's corporate philosophy, dedicated workforce and electronics expertise ensure the depot is the joint C5ISR provider of choice for the armed forces and industry partners. Tobyhanna's unparalleled capabilities include full-spectrum logistics support for sustainment, overhaul and repair, fabrication and manufacturing, engineering design and development, systems integration, post production software support, technology insertion, modification, foreign military sales and global field support to Warfighters. Tobyhanna Army Depot, a subordinate organization of the U.S. Army Communications-Electronics Command (CECOM), has served the U.S. since 1953.



MISSION

Provide Full Life Cycle Support for all C5ISR Weapon Systems.

VISION

The Department of Defense's Worldwide C5ISR Readiness Provider, Today, Tomorrow and into the Future.

INTERSERVICE SUPPORT

Tobyhanna provides joint C5ISR logistics support to U.S. Air Force, Navy, Marine Corps, Coast Guard and other Defense Department agencies. Thirty-five percent of Tobyhanna's portfolio supports services other than the Army.



LOCATION

Tobyhanna Army Depot is strategically located in the scenic Pocono Mountains in Northeast Pennsylvania, approximately 20 miles southeast of Scranton and 250 miles from the District of Columbia. The depot's location offers ready access to major interstates, railways, airports, port facilities, industrial suppliers, colleges and universities.



GLOBAL SUPPORT

Tobyhanna provides comprehensive engineering, technical and maintenance assistance to customers at sites around the world. Mission critical C5ISR systems are supported in peace and during times of conflict with sustainment, equipment fieldings, Reset and readiness training.

Tobyhanna field service representatives (FSRs) and field software engineers (FSEs) are the first line of defense for troubleshooting, repair and system configuration issues. They provide on- and off-site technical and logistical assistance to maintain and improve overall C5ISR system performance in the field for the Warfighter. FSRs and FSEs provide unit sustainment support, formal and informal training, end-of-life upgrades, as well as depot-level support on C5ISR hardware and software.





CERTIFICATIONS

Tobyhanna's workforce maintains many certifications to include, but not limited to:

- APICS - Production and Inventory Management
- Spray Technique Analysis and Research for Defense (STAR4D)
- Project Management Professional
- Life Cycle Logistics
- CompTIA A+
- Certified Electronics Technician
- Fiber Optic Repair Technician
- IPC Soldering
- Green and Black Belt Certifications

SPECIALIZED FACILITIES & TEST EQUIPMENT

- Radar Range Campus
- Tactical Missile Facility
- Far Field Antenna Pattern Range
- Live Fire Test Simulators
- Clean Rooms (Class 1,000 to 300,000)
- Environmental Stress Screening Laboratory
- Elevated Burn Facility
- Anechoic Chambers
- Near Field Test Facility
- Modified Munson Road Test Track
- C-130 Hercules Fuselage Loading Fixture
- Rain Test Facility
- Automated Test Equipment
- Precision Laser Cutting
- Additive Manufacturing Capability
- Communications Security Logistics Facility
- FAA Air Traffic Data Feeds for Aircraft Tracking



PARTNERING WITH TOBYHANNA

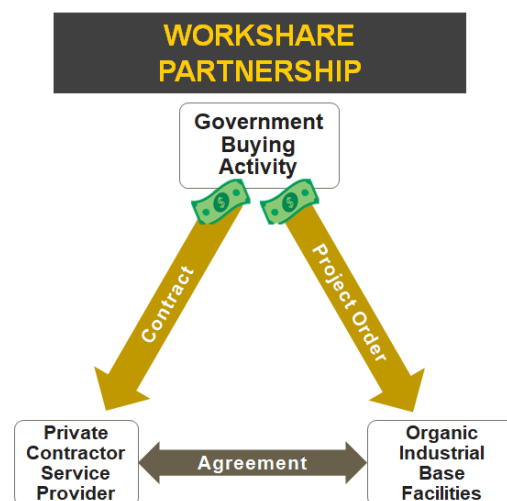
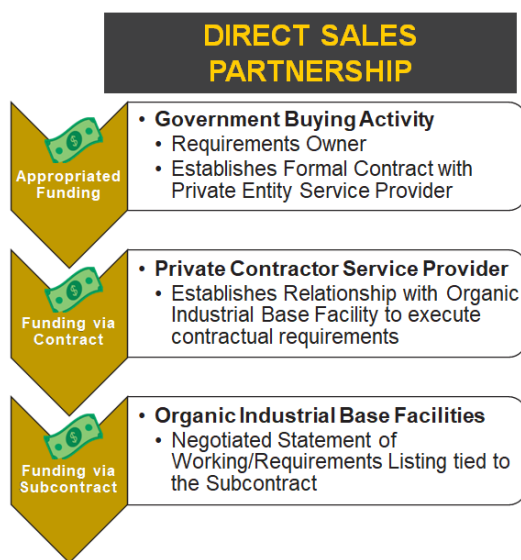
Benefits:

- Provide partners with a competitive advantage
- DOD's largest electronics integration and repair facility
- Fixed price and reimbursable programs
- Lowest rates in Army organic industrial base
- Leverage International Organization of Standard/Aerospace Standards certified facilities and Lean Six Sigma processes

Partnering with Tobyhanna lets private industry use the organic industrial base to complement their own capabilities.

Workshare/Government Furnished Supplies & Services: An agreement for Tobyhanna and commercial facilities/employees to execute work packages; the customer issues a work order to Tobyhanna and a contract to the private sector participant. The government program office pays Tobyhanna. The relationship between the parties is formalized with a teaming agreement or a memorandum of agreement or understanding.

Direct Sales: An agreement for Tobyhanna to sell services or supplies (manufactured or repaired) to private companies that are fulfilling a DOD contract or subcontract. This arrangement is formalized through a teaming agreement and later through more detailed subcontract/task orders. In this arrangement the private companies pay Tobyhanna.



Tobyhanna welcomes all companies interested in partnership opportunities. Staff members can assist with the process for a successful teaming/partnering relationship from developing a statement of work to writing a subcontract. Tobyhanna can also partner and assist in writing proposals in response to competitive requests issued by DOD agencies.

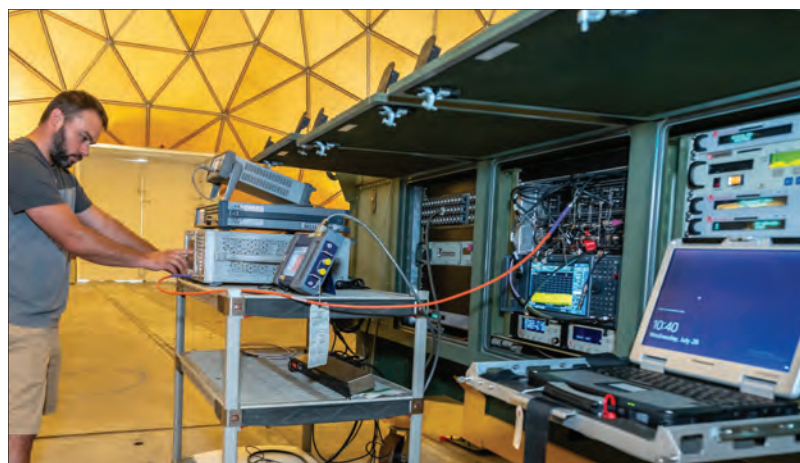
SUSTAINMENT STRATEGIES

Tobyhanna collaborates with customers to develop long-term sustainment strategies for C5ISR weapon systems in compliance with DOD Directive 5000.01, The Defense Acquisition System. According to the document, sustainment strategies shall include the best use of public and private sector capabilities through government/industry partnering initiatives.

Tobyhanna is a key stakeholder that ensures all sustainment and partnering considerations are integrated into all phases of repair to include planning, implementation, management and fielding of the weapon system during its life cycle. Tobyhanna works with customers to develop the support strategy and milestones early in the planning stages to ensure the system is affordable and mission capable.

The goal is C5ISR readiness, while providing the best value of reliable, effective support strategies for systems with optimum materiel availability to meet the Warfighter's requirements.





COMMUNICATIONS SYSTEMS

Tobyhanna performs overhaul, repair, modification, service life extension program and technical assembly of communications-electronics equipment. The equipment is installed in shelters, vans, trailers and military vehicles.

Technicians provide communication repair using dedicated facilities such as radio frequency shielded rooms and the tactical end item repair facility. Electrical and mechanical engineers provide design and technical support services to technicians.

SATELLITE COMMUNICATIONS

Tobyhanna performs overhaul, repair, alignment, modification, test system/site integration, orientation training and technical field support to include worldwide installation and de-installation of tactical and strategic military satellite communications (SATCOM) in fixed and mobile configurations.

Multi-skilled technical assistance repair teams, technicians and engineers provide engineering design, interoperability testing, configuration management, network system integration, and technical support for various SATCOM network systems and equipment for the Warfighter.





COMMUNICATIONS SECURITY (COMSEC)



Tobyhanna employees overhaul, repair, test, and modify COMSEC and information security equipment and material.

Electronics technicians, mechanics, supply technicians, and logistics management specialists also provide conversion, technical assistance and logistical support. Other services available include full-service accountability and secure warehousing in support of life cycle management from initial receipt to demilitarization and disposal.

The COMSEC facility is equipped to support multiple missions and functions in a secure environment meeting multi-agency regulatory requirements.

INFORMATION WARFARE

Tobyhanna provides cyber support and integration solutions to meet the emerging requirements of the future force. Tobyhanna's customers include Communications-Electronics Command, program executive offices, program managers and industry.

CAPABILITIES

- Protection, hardening and compliance
- Vulnerability identification and mitigation
- Benchmarks and accreditation compliance (RMF/CCRI).
- Information System Security Officer (ISSO)
- Hardware/software integration
- Integration and optimization of capabilities for offensive and defensive cyber
- Software deployment services
- Mass image deployment
- Custom image creation
- Development security and operations (DevSecOps)
- Automation
- Application development
- Software repository services
- Software analytics and mission data migration
- Help desk with remote capabilities
 - Enterprise architecture
 - Cloud migration services
 - Network design
 - Technology evaluations
 - Emerging technology adaptation
- Rapid reaction to requirements

TEAM MEMBER QUALIFICATIONS

- National security clearances up to top secret
- Certified Information Systems Security Professional (CISSP)
- CompTIA Technology Certifications
- Red Hat Certifications
- Microsoft Certifications
- Certified Software Quality Analyst
- Global Information Assurance
- Scaled Agile Framework
- Risk Management Framework



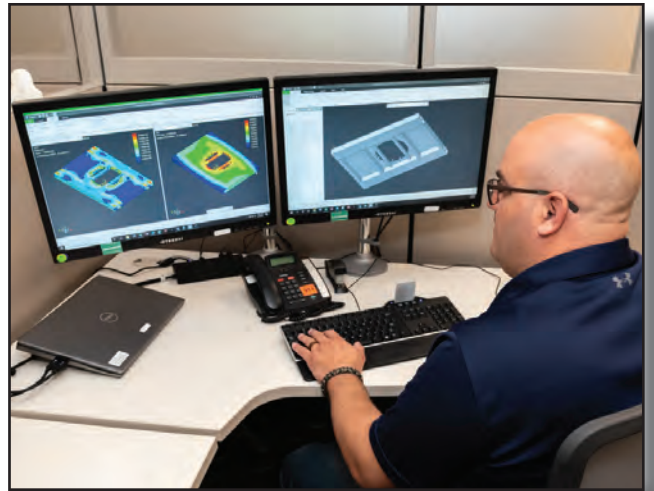
Tobyhanna is committed to supporting cyber requirements, ensuring operational readiness by implementing technology, and improving processes and structure to increase efficiencies.

SIGNIFICANT ACCOMPLISHMENTS

- Cyber armory for capability sets
- Cyber defense infrastructure support
- Patent pending application – profile, assess, mitigate, document
- Continuous Integration/Continuous Deployment
- Cyber facility

ENGINEERING

Tobyhanna provides professional mechanical, electrical, industrial and computer engineering, and technical support services. Our engineers unite with maintenance shop employees to repair and overhaul complex C5ISR systems. In addition, Tobyhanna engineers design and integrate complex C5ISR equipment into tactical systems using state-of-the-art computer-aided engineering.



The EASL is a beta site for emerging electronics test, repair, and fabrication capabilities supporting C5ISR sustainment and maintenance operations. The EASL combines the facilities, equipment and skilled technical resources required to analyze complex technical problems and develop innovative solutions.

CAPABILITIES

- Advanced test, measurement and control systems development
- Develop/improve circuit card assembly rework, repair and fabrication processes
- Circuit card assembly engineering and reverse engineering
- Automated surface mount technology rework, assembly and production system
- Selective soldering system
- Selective conformal coating system
- 2D/3D X-ray inspection system
- Printed circuit board cleaning system

Engineering Analysis Solutions Lab
EASL



AUTOMATED TEST EQUIPMENT

Artisans use automated test equipment (ATE) to perform functional and diagnostic tests on C5ISR systems. ATE allows for efficient, repeatable, and accurate testing of simple and complex line replaceable units, shop replaceable units and circuit card assemblies. Engineers design and develop test program sets for use on DOD standard and non-standard ATE. Tobyhanna is recognized as one of three ATE/test program set (TPS) centers in the Army. The depot also maintains a TPS repository that provides configuration management services for sets used on the installation. On-site ATE support includes:

- NGATS
- VDATS
- IFTE/Equate
- HP 9580
- Keysight 3070
- SASI RF/RF Microwave Tester
- DIT-MCO
- CIRRUS
- System Specific and Specialized ATE

- Design, development and prototyping
- Computer aided design
- Technical manual development
- Finite element analysis
- Site surveys
- Integrated logistics support
- Environmental stress testing
- Configuration management
- Numerical controlled programs
- Fluid flow computer simulation
- Automated test equipment support
- Maintenance engineering
- Test program set development
- Diminishing manufacturing support
- Level of repair analysis
- System fielding support



Tobyhanna Army Depot has a robust technical publications team, which consists of engineers, technical writers, provisioners, configuration managers and illustrators.

Services include:

- Level of repair analysis
- Maintenance allocation charts
- Technical manuals
- Software user manuals
- Technical bulletins
- Modification work orders
- Depot maintenance work requirements
- Repair parts special tools lists
- Provisioning parts lists
- Logistics support analysis records
- Configuration management
- Illustration support

Team Tobyhanna is experienced with U.S. Army, Marine Corps and Air Force standards and uses the latest software tools such as:

- COMPASS
- XML
- IADS
- PT Arbor Text
- PowerLogJ2
- Note Pad++
- Ultra-Edit
- AutoCAD
- Creo
- IsoDraw
- Windchill PDMLink
- Catalog Ordering Logistic Tracking System



**TECHNICAL
PUBLICATIONS**

Tobyhanna repairs, tests, overhauls, integrates and modifies computerized equipment/peripherals test measurement and diagnostic equipment, telecommunications equipment, automated test equipment, tactical artillery systems and associated fire control systems.



**COMMAND,
CONTROL &
COMPUTER
SYSTEMS**

RADAR SYSTEMS EQUIPMENT

With decades of experience and advanced technology, Tobyhanna performs overhaul, repair, test, modification, conversion, technical assembly and installation as well as worldwide mobile depot maintenance, technical assistance and fielding of critical air defense, air traffic control, range threat, counterfire, ground/air surveillance, airborne and sensor systems.



Integrated Antenna and Radar Range Campus

From legacy systems to active phased array systems, Tobyhanna supports the major radar systems and components to include pedestals, antenna, transmitter and receiver. Tobyhanna's Integrated Antenna and Radar Range Campus provides sophisticated test capabilities for radar systems using 12 distinct radar test sites. Tobyhanna's advanced automated test equipment verifies analog and digital circuit cards, radio frequency and microwave components, modules, and sub-systems from UHF band to Ku band.



AVIONICS & INTELLIGENCE ELECTRONIC WARFARE

Tobyhanna overhauls, repairs, tests, modifies, converts, demilitarizes and provides technical assembly and installation for airborne and electronic warfare systems and associated equipment for the Warfighter.

Electronics, instrument and electronic integrated system mechanics provide an array of technical expertise in airborne communications/instrumentation/gyro, inertia and dopplar navigation, and airborne and ground countermeasures systems.

Intelligence electronic warfare systems field service representatives provide technical and logistical expertise for the Guardrail Common Sensor (GRCS) systems and subsystems worldwide. The GRCS is a signals intelligence collection and location system.



TACTICAL MISSILE SYSTEMS

Tobyhanna overhauls, modifies, tests and repairs missile guidance and control sections (GCS) and support equipment.

The Tobyhanna Tactical Missile Facility is DOD Explosives Safety Board certified, environmentally controlled and contains Class 300,000, 10,000, and 1,000 clean rooms. Additionally, the entire tactical missile facility is lightning protected, secured with restricted access and has had a U.S. Navy approved hazards of electromagnetic radiation to ordnance survey completed.

Electronics mechanics are qualified and certified by the Naval Surface Warfare Center for the U.S. Navy and U.S. Air Force in full range testing, fault isolation and repair of the AGM-65 Maverick and AIM-9M Sidewinder GCSs.



Tobyhanna overhauls, repairs, modifies, tests and installs electro-optic/night vision systems for all military branches within the Department of Defense as well as foreign military service customers. Capabilities include:

- Boresight and Alignment
- Environmental Stress Screening
- Laser Testing and Alignment
- Leak Testing and Purging
- Optics Support
- Thermal Imaging
- Vibration Testing

Technicians have the capability to perform the following tasks:

- Remove, replace and clean optical lenses, windows and prisms
- Repair and test night vision scopes and goggles
- Purge, charge and perform sealing tests for helium-based cryogenic coolers
- Maintain collimator-based optical test benches to support thermal image testing of various systems
- Operate state-of-the-art electrodynamic vibration table with a 24-inch armature, capable of performing programmed sine and random vibration profiles

Tobyhanna has a 70-foot platform tower with two high-accuracy surveyed test positions. Targets at a distance of 7.6 kilometers have been surveyed for use in optical targeting of electro-optic night vision assets. Targets in the public domain can be seen out to 58 statute miles and can be surveyed to meet mission requirements for new or existing workloads.

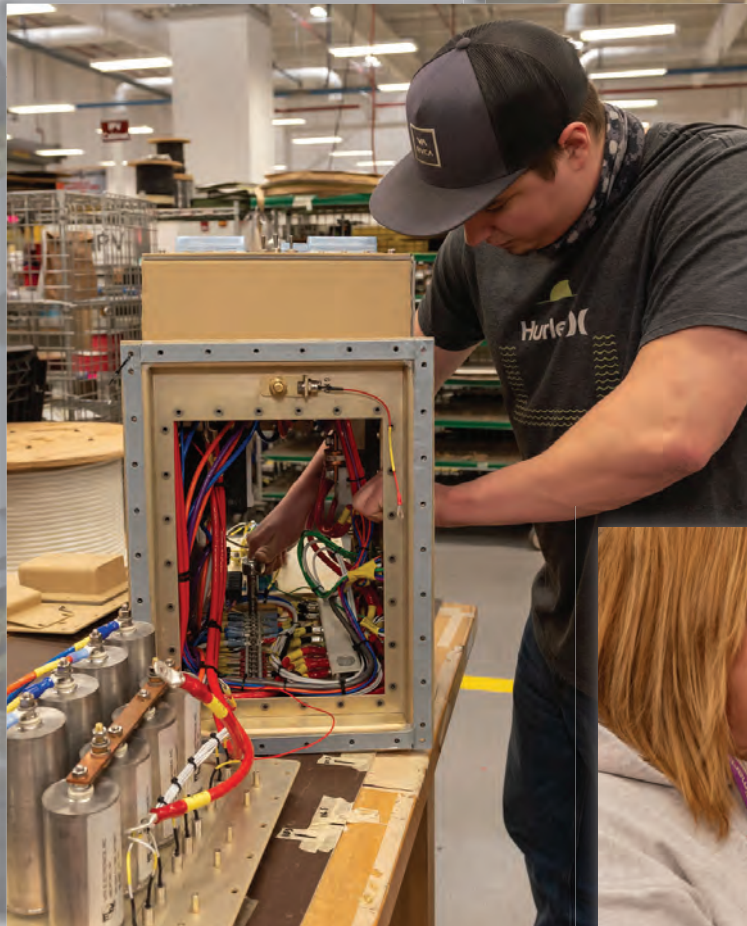
ELECTRO-OPTIC/ NIGHT VISION & SENSORS



CABLE FABRICATION

Tobyhanna fabricates cables for integration into major C5ISR systems, installation kits and various cable assemblies.

With specialized transfer molding machines, Tobyhanna applies transfer, injection and compression molding techniques to meet customer specifications. All cables are tested using a Cirris cable tester and DIT-MCO series automatic tester to ensure quality standards.





FABRICATION & INTEGRATION SUPPORT

Tobyhanna has the capability to:

- Fabricate mechanical, electrical, electronic, and electro-mechanical components and assemblies
- Machine operations fully equipped and automated with computer numerically controlled (CNC) lathes, vertical milling machines, saws and manual lathes
- Use CNC punch presses, precision laser cutting machine, water jet cutting machine and brakes to provide sheet metal support
- Weld aluminum and steel (MIG and Stick)
- Repair and fabricate multi-conductor, large gauge power and fiber optic cables, harness and circuit card assemblies
- Repair and overhaul electrical distribution systems and environmental control units
- Full integration of cables, junction boxes and shelter utilities
- Fabricate nomenclature/schematic metal, vinyl or plastic nameplates, labels and decals
- Fabric applications
- Woodworking

FINISHING SUPPORT OPERATIONS

Tobyhanna finishing capabilities include:

- Painting
- Plating
- Sandblasting
- Powder Coating
- Ultrasonic Cleaning
- Steam Cleaning
- Silk Screening
- Computerized Stenciling
- Laser and Chemical Stripping
- Structural Repairing

Tobyhanna's Finishing Center is 78,000 square feet to accommodate large military systems and is equipped with sheet metal repair, blasting booths with cranes, laser paint removal and paint booths outfitted with man-lifts. There are two vertical-flow, downdraft paint cabins with precise temperature and humidity controls and 70 percent exhaust air recirculation. Green building technologies such as LEED (Leadership in Energy Efficient Design) enhance the energy efficiency of the building systems.



Tobyhanna fabricates items from cloth, rubber and foam to protect military assets from environmental and physical damage, ensuring quality products for the men and women in uniform. Tobyhanna is capable of fabricating, installing and repairing equipage products using a multitude of materials.



SPECIALIZED ACCESSORIES



READINESS TRAINING

Tobyhanna offers a unique environment for non-accredited sustainment training. Warfighters receive individual, hands-on training from depot subject matter experts on C5ISR equipment systems. This training is available to members of the armed forces. Tobyhanna provides over 30 C5ISR training programs for the Warfighter.

INSTALLATION MODERNIZATION PROJECTS

Tobyhanna provides installation modernization support to include infrastructure installation, system upgrades, network configuration and device computing at various fixed locations throughout the U.S.



FOREIGN MILITARY SALES

Tobyhanna provides U.S. defense equipment, services and training to foreign militaries. Tobyhanna has participated in foreign military sales (FMS) since 1984, directly supporting over 70 countries.

Tobyhanna also actively pursues Public Private Partnerships in support of additional FMS workload.

TRAINING MULTIMEDIA LANGUAGE LABORATORY PROGRAM

One of the major foreign military sales programs Tobyhanna regularly supports is language labs. Tobyhanna has installed training multimedia language labs at installations in over 70 countries.

This program delivers English language instruction to foreign military and government civilian members. Classroom suites of computer and audio/visual equipment are used to teach English, so recipients can study or train in the United States.

Partnering with the International Military Education and Training Program, Tobyhanna provides the communication link to foreign nations so they can train and operate with U.S. and NATO forces, while strengthening relations between host nations and the United States.



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