



Production Engineering

Tobyhanna Army Depot (TYAD) is the U.S. Army Center of Industrial and Technical Excellence (CITE) for Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR), Electronics, Avionics and Missile Guidance and Control. TYAD is the U.S. Air Force Technology Repair Center for Command, Control, Communications, Computers and Intelligence and Tactical Missiles.

CAPABILITIES

TYAD provides professional mechanical, electrical, industrial and computer engineering and technical support services. TYAD engineers are primarily responsible for supporting all maintenance shops repairing and overhauling complex C4ISR systems. In addition, TYAD engineers design and integrate complex C4ISR equipment into tactical systems using state of the art Computer aided engineering. Support Services Include:

- Design, Development and Prototyping
- Computer Aided Engineering (CAE)
- 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
- Technical Reference Order Development

SPECIALIZED FACILITIES AND EQUIPMENT

- Engineering Lab
- Technical Reference Library
- Test Program Set Repository
- Environmental Stress Screening Lab
- CAE Network
- Functional/Diagnostic Test Equipment
- Acceleration, Shock and Vibration Testing
- Thermal Shock Testing
- Solar Radiation Exposure
- High and Low Temperature Testing
- Rain and Immersion Testing
- Anechoic Chambers and Near Field Probes
- Satellite Communications Prototype Test and Training Labs
- Lightweight Counter Mortar Radar Live Fire Test Simulator
- Laser Live Fire Range
- Far Field Range

