

Zin Solutions dba Axiom Towers is a mission-focused engineering company with customer-centric values delivering proven, innovative solutions to critical defense and homeland security challenges. Our executive team brings over 30 years of program management excellence across high-stakes industries including Defense, Aerospace, Communications, and Emergency Management Response.

Military and Government

Early Threat Detection Systems *(Repeat Business)*

Engineered and delivered integrated mobile radar platforms for US Navy (NIWC) early warning systems, providing mission-critical threat detection capabilities with proven field reliability.

Electronic Warfare Emitter Systems* *(Repeat Business)*

Designed and manufactured ruggedized, rapidly deployable REDFOR threat simulation systems for US Army Timing (PNT) Training Operations. Delivered 24 systems with integration of satellite simulation and GPS jamming capabilities.

* Sub to EWA Warrior Services

Space & Cyber Threat Warning Systems* *(Repeat Business)*

Supported missile defense sensor integration and multi-domain operations for Department of Homeland Security, delivering systems that meet stringent cybersecurity and operational CBP requirements.

* Sub to Leidos/Dynetics

Emergency Management Communication Systems*

Delivered critical mobile communications infrastructure for US Virgin Islands (BIT & FEMA) emergency response operations, ensuring reliable connectivity between the islands during disaster scenarios.

* Sub to BIT

Tactical Air Control Party Test & Evaluation *(Repeat Business)*

Designed and built rugged mobile enclosures with a 50 FT telescopic tower to support Tactical Air Control Party test and evaluation for the USAF.

NSA Type 1 Communications System *(Repeat Business)*

Supported the 353 SOSS/OSC for high power, wideband, NSA Type 1 system designed/built/integrated to secure communications between fixed and mobile stations, such as ships, infantry, and aircraft.

Commercial

Digital Surveillance Enablement

Built mobile control tower to assist in bringing digital surveillance capabilities to smaller airports through Advanced Air Traffic Control.

Dam Design & Evaluation

Provided third-party engineering evaluation and design optimization for Conowingo Dam fish passage systems, ensuring environmental compliance and structural integrity.

Wiped Film Evaporator Retrofitting

Successfully retrofitted and analyzed 50,000-lb Wiped Film Evaporators, delivering engineering solutions that improved operational efficiency and safety margins for Coim Chemical.

Core Competencies

Mechanical Engineering and Design

- Full lifecycle program support from concept through deployment, PDR/CDR, FAT/PLT, and TRL 9
- System integration
- Drafting and process instruction
- Rapid prototyping and "quick reaction" development
- Ruggedization IAW MIL-STD-810, 202, DO-160

Aerospace Engineering & Design

- Computational Fluid Dynamics
- Aerodynamics and Hydrodynamic analysis

Mobile Telescopic Towers & Mast

- Border Security, Surveillance, Reconnaissance, RADAR, VHF, UHF, Communications Manufacturing

Differentiators

Accelerated Delivery with Zero Compromise

Streamlined operations; established engineering, manufacturing, quality-control process supported by past data; veteran-led assembly staff; and battle-tested supply chain partnerships aligned on detail orientation deliver efficient, cost-effective turnaround.

Risk Mitigation Through Redundancy

Experienced engineering staff positioned across PA, OH, and MD provide rapid response capabilities, while our Levittown, PA manufacturing facility and distributed supply chain deliver shortened lead times with enhanced delivery assurance.

Comprehensive Program Support

End-to-end project management from initial requirements through field deployment, with proven success recognized by repeat customers.

Acquisition Options

- 8(a) Small Business Set-Aside / Minority Owned
- Sole Source Justification
- IDIQ / Multiple Award Contract
- CMG NASC
- Incentive Agreement (IA)
- Micro-Purchase (credit card under \$25,000)
- Blanket Purchase Agreement

