



INNOVATION THAT MATTERS EXPERIENCE YOU CAN TRUST

ABOUT AVION SOLUTIONS

Avion Solutions is known for its commitment to excellence, consistently providing versatile and innovative solutions across multiple domains. With over 30 years of experience, we excel in engineering, airworthiness, integrated product support, model-based systems engineering, modeling and simulation, and programmatic support.

Expertise and Professionalism

Our team of highly qualified experts possess industry-specific knowledge and elite technical proficiency, allowing us to collaborate on challenging tasks and improve performance and safety.

Collaborative Relationships

We value strong relationships built on trust and integrity, collaborating effectively with customers and industry-partners to deliver the best solutions.

Small Business Advantages

As a small business, we offer flexibility, mobility, and competitive pricing, providing cost-effective solutions with low overhead.

Commitment to the Warfighter

Our dedication to the Warfighter and our customers' objectives drives our efforts to deliver superior results, on time and on budget.

WHO WE SERVE

- U.S. Army
 - PEO Aviation
 - PEO Missiles and Space
 - CCDC, Aviation and Missile Center
 - Aviation and Missile Command
 - Forces Command
 - Space and Missile Defense Command
- Missile Defense Agency
- U.S. Air Force Life Cycle Management Center

VISION

- Exceed Customer Expectations
- Outperform Our Competition
- Improve Our Community

MISSION

Avion's empowered employee-owners provide visionary ideas and versatile solutions for the communities we serve.

VALUES

Loyalty | Integrity | Service



SCAN TO
LEARN MORE



CAPABILITIES

TECHNOLOGY DEVELOPMENT & DESIGN

- Aeromechanics
- Electro-Optical / Infrared / Thermal Sensors
- Material Property Analysis
- Mission System Technical
- Propulsion
- Targets Design and Performance

LIFE-CYCLE ENGINEERING

- Airworthiness Assurance
- Critical Safety Item Management
- Deviation and Waiver Approvals
- Environmental Compliance
- Maintenance Engineering
- Production Audits
- Production Verification Testing
- Source Approval Requests

SYSTEMS ENGINEERING

- Architectural Design
- Configuration and Data Management
- Requirements Management
- Risk Management
- Safety Management
- System Design Integration, Validation, and Verification
- Systems Program Management Support

PROGRAM SUPPORT

- Budgeting and Financial Management
- Contract Management
- Documentation and Reporting
- International Programs
- Performance Monitoring
- Program Management
- Program Security
- Stakeholder Communication
- System Safety Management Planning
- Test Plans and Procedures
- Threat Evaluation

INTEGRATED PRODUCT SUPPORT

- Configuration Management
- Depot Operations
- Life-Cycle Support Planning
- Logistics Engineering
- Maintenance Planning
- New Equipment Training
- Property Management
- Provisioning
- Supply Chain Management
- Technical Data Management

AIRWORTHINESS CERTIFICATION

- Design Airworthiness
- Continuing Airworthiness Support
- Production Airworthiness

TESTING AND EVALUATION

- Flight Test Planning and Execution
- Ground Test Planning and Execution
- Model Validation
- On-Site Flight Test Support
- Post Flight Phenomenology
- Range Safety Predictions
- Airworthiness Qualification Tests
- Test Program Planning
- Data Planning and Post-Test Analysis
- Laser Systems and Operations Training
- Laser Clearing House Coordination
- Laser Safety Planning
- Piloting UAS Targets
- Test Plans, Procedures, and Execution
- Test Range Interface and Documentation
- Test Requirements and Verification
- Truth Data System Identification, Selection, and Collection Requirements
- UAS Airworthiness for Army HEL Testing

MODELING AND SIMULATION

- Computational Fluid Dynamics
- Electro-Optical / Infrared Phenomenology
- Engine Performance
- Flight Performance
- HEL Component Design and Development
- High-Fidelity Optical Signature
- Multi-Sensor Correlation
- Plume Signature and Attenuation Modeling
- Radar Prediction
- Solid Mechanics
- Trajectory Simulation

CONTRACT INFORMATION

- EXPRESS Technical and Logistics Domains
- GSA OASIS+
 - Research and Development
 - Technology and Engineering
 - Management and Advisory
 - Logistics
 - Intelligence Services
- GSA ASTRO Research Pool
- GSA Multiple Award Schedule (Professional Services Categories)
- Navy Seaport NxG

NAICS CODES

541330, 541715, 541614, 541611,
541511, 541512, 541690, 518210,
541990, 611512

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ISO Certification: 9001:2015



100% EMPLOYEE OWNED
AVIONSOLUTIONS.COM