



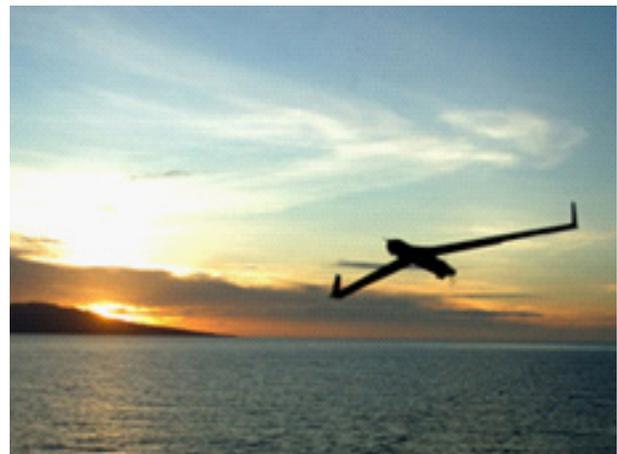
# *Federal Aviation Administration*

## **Background**

Titania possesses significant capability and experience in providing IT Services and program support to the Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Integration Office. The FAA awarded Titania a prime contract after Congress mandated the establishment of 6 UAS Test Sites across the United States for the purpose of conducting research and testing to help safely integrate UAS into the National Airspace System (NAS). In support of the Test Sites, Titania developed the Mission Logging System (MLS) to collect, analyze, and report operational flight data, associated research information, and tools to manage quarterly and annual reporting. Dynamically generated metrics and dashboards are a key component of the MLS and they provide real-time operational reporting to senior FAA executives on a weekly basis. Titania also developed the Research Portfolio Management System (RPMS) and Research Inventory Mapping (RIM) System to automate the process of assigning, tracking, reviewing, approving, storing, and searching for FAA research projects. These systems are used by the FAA and external research partners such as the Department of Defense (DoD), National Aeronautics and Space Administration (NASA), universities, and other federal agencies. In addition to developing IT systems and tools, Titania provides the UAS Integration Office with program support to manage the day-to-day activities associated with the rapidly evolving rules, policy, and laws related to the public and civil operation of UAS.

## **Capabilities**

- SharePoint 2013 expertise in support of the FAA's Knowledge Services Network (KSN)
- FAA and UAS domain expertise in the areas of:
  - Privacy laws that apply to the use of UAS
  - Spectrum management for UAS
- Software design, development, testing, and maintenance of web based applications
- Program office support:
  - technical editing/writing
  - meeting facilitation
  - administrative support and reporting
  - tracking of program office action items
- Business process definition and engineering management
- Knowledge/Information Management of UAS operational flight and research data
- Development of Analysis and Metrics techniques and tools



## **FAA IT and Program Support Related Services**

- Designed and developed the Mission Logging System (MLS). This system captures operational flight data, incidents/accident reports, and associated research information that is critical in helping the FAA safely integrate UAS into the National Airspace System
- Designed and developed the Research Inventory Mapping (RIM) System to map research projects to the FAA's Concept of Operations (ConOps) and agency requirements. The system also tracks the status and funding of projected and ongoing UAS research projects with the goal of consolidating research information and reducing redundant research projects across the federal government and other research partners
- Designed and developed the Research Portfolio Management System (RPMS) to automate the UAS research process and consolidate completed research documents into a centralized data repository
- Expertise in SharePoint 2013 design and development, Web 2.0 development, custom HTML and JavaScript development, Selenium WebDriver, SOAP web services
- Create and maintain SharePoint sites to support numerous FAA organizations and program offices
- Plan, schedule, and conduct a quarterly MLS Configuration Control Board (CCB) with the UAS Test Sites and the UAS Integration Office



- Draft, edit, and review correspondence, briefings, reports, and presentations that are sent to senior FAA executives and Congress
- Review and prepare draft responses to Freedom of Information Act (FOIA) requests
- Plan, schedule, and participate in quarterly Technical Interchange Meetings with the UAS Test Site

## Introduction to Titania Solutions Group, Inc.

Founded in 2012, Titania is a certified woman owned, service disabled veteran owned (WO, SDVO) small business focused on delivering valued services to our federal clients and their critical missions. Our founders and corporate leadership have spent their careers in uniform, government service, and in growing and managing service organizations of excellence; building and earning a reputation of quality, superior customer support, ethical conduct, and dedication to partnership. Titania functions with large business sophistication and acumen and small business agility and responsiveness, and is deeply committed to taking care of people: our employees, partners, customers, and those in our community. Headquartered in Warrenton, Virginia, Titania also has an office in Sierra Vista, Arizona. We provide on-site support to customers at Fort Huachuca, AZ; L'Enfant Plaza, Washington, D.C.; the William J. Hughes Technical Center, NJ; Fort Bliss, TX; Goodfellow Air Force Base, TX; Crystal City, VA; and the Pentagon, VA.

*“Titania’s recommendation and fast implementation of the test site data collection capability saved us a huge amount of time and now gives us views into the data which we never had before. It’s this type of innovation that have established you as a partner we’ve come to rely upon.”*

Government Program Manager

## Titania Advantage

- Highly skilled staff with a sophisticated, experienced hand-picked infrastructure
- Extensive Prime and Subcontractor Management Experience
- Achieved \$10M in revenue for FY17 supporting primary customers: Centers for Medicare & Medicaid Services (CMS), the Federal Aviation Administration (FAA), Department of the Army, Department of the Navy; 40% growth from FY15
- DHS IMAGE ICE certified
- CMMI DEV/3<sup>SM</sup>



## Titania Services

- Systems, Software, and Testing Architecture Design and Development
- Test Engineering Support / Application Verification & Validation (V&V) in an Agile environment
- SharePoint Design and Development, Architecture, Knowledge / Information Management (KM/IM)
- Enterprise Solutions
- Full IT Lifecycle Governance
- Cyber Solutions
- Intelligence Analysis & Support (all INTs)
- Cultural Analysis; Research, Reporting, Training
- Operational Training; Instructional Scenario-based Design
- Customer Service & Help Desk Support, Security, Administration, and Budgeting

## Contract Vehicles



## For additional information, please contact:

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Titania is an equal opportunity employer.

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