ManTech
Securing the Future

ManTech NASA Portfolio

ManTech NASA Support Over the Years

ManTech prides itself in helping agencies achieve their mission using a multidisciplinary and holistic approach to our execution. We have supported NASA for more than 30 years with solid past performance spanning a number of research and flight centers, including:

- Jet Propulsion Laboratory
- Langley Research Center
- Marshall Space Flight Center
- Mission Support Directorate

Core Capabilities for NASA Support

ManTech core capabilities include full-spectrum cyber; enterprise IT; cloud; and automation and analytics; – with all of our offerings complimented by a number of ManTech IRADs to explore innovations and solution enhancements.

Full-Spectrum Cybersecurity

With cyber attacks proliferating, organizations need real-time, dynamic solutions that defeat penetration on contact to protect vital infrastructure and data from theft, compromise and destruction. Federal civilian agencies look to ManTech for aggressive cyber solutions that stop, criminal hackers, thwart nation-state attacks, APTs, and expose insider threats.

- **Cyber defense:** 24/7 cyber operations; cloud security continuous monitoring, data encryption, boundary and network defense, endpoint security, access management, application security, micro segmentation, vulnerability management, IoT, vulnerability assessment and penetration testing

- **Offensive cyber:** Continuous diagnostics and mitigation (CDM) solutions; ManTech's Secure Tactical Edge Platform (ST3P); secure systems engineering and development; data security and encryption; data integrity; digital supply chain security; anti-phishing; rapid and ongoing assessment & accreditation; infrastructure security and operational continuity

- **Offensive Informed Defensive Model™** – ODIM leverages offensive cyber processes and expertise to strengthen the defensive posture

- **Cyber analytics:** intrusion analysis; cyber threat intelligence; incident response, cyber investigations and forensics; insider threat; network/security operations center (NOC/SOC); security information and event management

- **Cyber compliance:** assessment and authorization services; training and awareness; standards development and compliance monitoring; cyber governance; risk assessment and management

ManTech Overview

- Established more than 50 years ago
- Financially stable with estimated $2.2B in 2019 revenue
- Focused in supporting U.S. Government and respective missions
- More than 1000 active contracts
- Supports more than 66 Federal Agencies
- 21+ years mastering cyber
- Ranked #1 as provider of insider threat services
- More than 20 university partners for employment development
- Strategic alliances with top tier COTS companies: Microsoft; Splunk; ServiceNow; AWS; DELL/EMC; HPE; F5; RedHat; and Nutanix
- Rated as being one of the top 100 Thomson Reuters Tech Leaders
- Average of 55% small business utilization

Enterprise IT

Whether the mission is to improve performance of existing systems, make adjustments in support of missions, or transform them with the latest proven technology, ManTech has the requisite qualifications and experience, including the following solution areas.

- **Applications development and testing**
- **Cloud and data center infrastructure transformation**
- **Business process management and enterprise managed service delivery**
- **Enterprise and cloud systems integration**
- **Digital workplace transformation and enterprise mobility services**

Integrated within our enterprise IT solutions, we provide FITARA management, change management, ITSM, security, network monitoring, ServiceNow and governance.

Cloud and Data Center Infrastructure Transformation

ManTech's LAUNCHRAMP® accelerates cloud migration securely and reliably, and we are experts at engineering Data Centers and "Laboratories as a Service" (LaaS) that improve institutional sharing with remote facilities.

- **Advisory, Transformation & Cloud Migration Service**
- **Brokerage of Platform, Software & Integration Services**
- **Multi-layered Infrastructure Solutions**
- **Virtualization, Cloud & Communications Engineering**
- **Data Center, Network Engineering, Lab Engineering (LaaS) & Co-location - plus Hosting**

Enterprise and Cloud Systems Integration

When it comes to building and deploying enterprise architectures and systems, ManTech has the blueprint to integrate your enterprise with industry leading cloud solutions providers - AWS, Microsoft and Google.

- **Enterprise Architecture Services**
- **Application Cloud Migration**
- **Hybrid Cloud Operations**
- **Multi-tenant Architecture**
- **APIs, SOA and Microservices Development**

Current NASA Portfolio

JPL Institutional Computing Environment (ICE)

U.S. Strategic Command's Human Space Flight Support (HSFS) program and NASA's Commercial Crew program and Orion requirements

In August 2019, this was put under U.S. Space Command (USSPACECOM).

GWAC / BPA Vehicles

Alliant 2

CIO-SP3

EAGLE II

ITES-3S

OASIS

And many other vehicles as needed

Data Analytics

Every mission with a data management component, by definition, includes analytics, the driver of actionable intelligence. Mission success hinges on in-depth understanding of – and experience with – each step in this process. NASA is no different with their mission needs and we can support.

- **Data Collection:** ingest at scale tagging; streaming, batch and hybrid capabilities; data stores with auth engine; API engine to auth engine of data store; minimization processes for analytics reports; PKI for user access; identity and access management with ability to store user/group attributes

- **Machine Learning:** streaming analytics; workforce automation; deep learning; cognitive computing

- **Neural Networks:** leverage rules, environment and intuition to reach "human-like" decisions