

# Capabilities Statement

## VISION

Orbit Metrics follows a clear path: services to software, software to space. Our work today focuses on building reliable data infrastructure and analytics for businesses and agencies. From there, we are developing scalable software products that extend our reach and multiply impact beyond individual projects. The long-term goal is space — advancing research and technology that support human survival and health in off-planet environments.

This vision is why we exist. The services we deliver fund the software we build, and the software we build paves the way for groundbreaking research in space and health. Every step moves us closer to missions that reach beyond Earth.

## CORE COMPETENCIES

Orbit Metrics delivers advanced data infrastructure, analytics, and software solutions for government and commercial partners. Our expertise includes:

### Data Engineering & Analytics

- ETL pipeline development and optimization
- Data warehousing architecture and implementation
- Real-time data processing and streaming analytics
- Predictive analytics and statistical modeling
- Interactive dashboards and business intelligence

### Software Development

- Custom software applications
- AI-integrated workflows and intelligent automation
- SaaS platform design
- Cloud-native application deployment
- API development and system integrations
- Database design and optimization
- Server-side tracking and event management

### Cloud Infrastructure & Big Data

- Amazon Web Services (AWS), Google Cloud implementation
- Scalable cloud architecture design

- Distributed computing solutions
- Data security and compliance frameworks
- System monitoring and automated alerting

## GOVERNMENT PROGRAMS

Orbit Metrics' federal work is directed by a **Head of Government Programs** with expertise in acquisition, compliance, and capture strategy. This ensures Orbit Metrics is both technically capable and contract-ready.

- **Acquisition Expertise**  
Experience with federal acquisition pathways including **FAR/DFARS**, **SBIR/STTR participation**, and **OTA mechanisms** for rapid R&D execution.
- **Compliance & Certifications**  
Implementation of **NIST 800-171**, **CMMC**, and **ITAR** controls. Proven **FedRAMP-aligned security frameworks** with IL-5/IL-6 compliance, DFARS 252.204-7012, DISA STIG, StateRAMP, and ISO 27001. Capabilities include Zero Trust architecture, continuous compliance monitoring, automated control validation, and management of data rights under federal contracts.
- **Capture & Contracting Strategy**  
End-to-end proposal development, teaming with primes and subcontractors, and structured past performance alignment with agency priorities.

## DIFFERENTIATORS

### Small Business Innovation and SBIR/STTR Participation

Orbit Metrics is a small business focused on measurable innovation. Our structure and approach align directly with the goals of SBIR/STTR programs, enabling us to partner with federal agencies to accelerate development of next-generation data engineering and cloud solutions. We bring the agility of a high-growth firm combined with the technical depth of a seasoned engineering team.

### Technical Depth

Orbit Metrics combines expertise in data engineering, cloud architecture, and software development with proven experience across government, research, and commercial sectors. The team has designed and deployed large-scale data systems, implemented secure cloud infrastructures, and delivered advanced analytics solutions that support both mission-critical operations and enterprise growth. This breadth of capability ensures reliability across diverse technical environments and problem sets.

### End-to-End Delivery

We deliver not just components, but complete data systems—covering strategy, architecture

design, custom software development, deployment, and managed support. This reduces risk and eliminates dependency on multiple vendors.

### **Operational Agility**

Our team is lean and responsive, able to operate inside agency timelines by prioritizing speed, adaptability, and mission-ready results without delay or excess overhead.

## **PAST PERFORMANCE**

### **Government Experience**

- MIT Lincoln Laboratory: Big Data/Cloud Engineering Services
- Developed data processing systems for research applications
- Implemented cloud-based analytics platforms for large-scale datasets
- Operation within FedRAMP and GovCloud environments

### **Commercial Projects**

- Designed and deployed data infrastructure for high-revenue eCommerce brands
- Delivered custom software solutions across biotechnology, aerospace, and academic sectors
- Implemented enterprise-grade ETL systems that replaced fragile custom scripts and reduced maintenance burden

## **NAICS CODES**

- **518210** Data Processing, Hosting, and Related Services
- **541715** Research and Development in Physical, Engineering, Life Sciences
- **541512** Computer Systems Design Services
- **541519** Other Computer Related Services

## **CONTACT INFORMATION**

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*Orbit Metrics delivers reliable, cost-effective solutions that help agencies and businesses make decisions with confidence. We combine technical expertise with small business innovation to meet mission needs and exceed performance standards.*