



MATTER AND ENERGY, LLC

Capability Statement

CORE COMPETENCIES

IT Solutions

- Enterprise System Architecture
 - Platform as a Service (PaaS)
 - Software as a Service (SaaS)
 - Hybrid Cloud Strategy and Architecture
 - Zero Trust Architecture
 - IT Process Transformation
- Artificial Intelligence & Automation
 - Threat/Vulnerability Detection
 - Geospatial Intelligence (GEOINT)
 - Enterprise Operating Model
 - Predictive Analysis
 - Energy Efficiency Enhancement
 - Logistical Identification
 - Automation and Process Optimization
- Research & Development
 - Deep Learning
 - Hyperparameter Optimization
 - Large Language Models (LLMs) Architecture Design, Pre-Training, and Fine-Tuning

Professional Services

- Information Technology (IT) Services
- Data Services
- Scientific Research
- Project Management
- Construction Management
- Consulting Services

NAICS Code:

- 518210: Computing Infrastructure Providers, Data Processing, Web Hosting, and Related Services
- 519290: Web Search Portals and All Other Information Services
- 541511: Custom Computer Programming Services
- 541512: Computer Systems Design Services
- 541519: Other Computer Related Services
- 541611: Administrative Management and General Management Consulting Service
- 541690: Other Scientific and Technical Consulting Services
- 541715: Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)

Company Address

1800 Jonathan Way. Reston, VA 20190
www.matternenergy.com



COMPANY DATA

Matter and Energy, LLC, based in Reston, VA, was established to support the U.S. government's technology transformation with secure, scalable, and fully customizable AI and automation solutions. We specialize in integrating emerging technologies and green IT practices into every layer of our products. Our solutions are built on four foundational pillars: deep tech innovation, open science practices, sustainable IT, and rigorous security standards—all designed to meet federal requirements. As a forward-thinking tech company, our vision is to leverage over a decade of cross-industry expertise in digital transformation from the commercial sector and apply it to the public sector.

Differentiator

- Our proprietary Platform as a Service (PaaS) is a government-focused end-to-end solution integrating AI, data, and governance layers to enable efficient and adaptive model development, tuning, and deployment.
- We specialize in creating compact, energy-efficient ML models that reduce the dependence for high performance computing (HPC) environment, enabling rapid deployment for mission-critical needs.
- Our products are built with a security-first approach, ensuring data protection, resilience, and compliance with regulatory standards.
- Swift scalability powered by cloud computing, intelligent automation, and stage-specific metrics, allowing accurate performance tracking and increased system elasticity.

Socioeconomic Status

- SWaM Certified
- Small Disadvantaged Business
- WOSB/EDWOSB Pending
- DBE Pending

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Contact

Sapphie Gaspard | CEO
s.gaspard@matternenergy.com
(202) 374-1554

