

ILLUMINARI AI SYSTEMS

CAPABILITY STATEMENT

Contact: procurement@illuminari.ai | **Website:** www.illuminari.ai
A Division of Illuminari AI LLC

COMPANY OVERVIEW

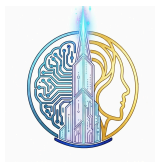
Illuminari AI Systems is a specialized deep-tech infrastructure and engineering firm. We design **Sovereign Cognitive Architectures (SCA)**—100% local, air-gapped AI environments that protect enterprise and defense data from public cloud liabilities. By bridging stochastic AI models with 16+ years of deterministic systems engineering, we build "Cognitive Exoskeletons" that amplify human operators, eliminate cognitive friction, and upskill displaced workforces into AI-enabled masters of their domains.

CORE COMPETENCIES

- **Sovereign Cognitive Infrastructure Deployment:** Architecture and integration of enterprise-grade, open-weights AI models within strictly air-gapped, GPU-accelerated environments. PII and FERPA/HIPAA/CUI compliant localized data environments.
- **Hardware-in-the-Loop (HIL) Validation:** 16+ years of deterministic systems engineering bridging legacy hardware and AI logic. Expertise in NI LabVIEW, TestStand, PXI architectures, and FPGA verification for safety-critical deployment.
- **AI Edge Architecture Consulting:** Advising defense and corporate teams on transitioning from cloud-dependent APIs to secure, edge-inference models. NVIDIA Developer Program Member specializing in Sim-to-Real integration.
- **The Amplify Division (Workforce Upskilling):** Live, workbook-style "Operational Readiness Protocols" to turn legacy personnel into AI-enabled operators. Personalized trajectory mapping and capability translation for transitioning industrial workers.

KEY DIFFERENTIATORS

- **The Cyber-Physical Bridge:** We are not a SaaS wrapper company. We are hardware and systems engineers who treat AI as a cyber-physical control problem, ensuring the human operator always commands the system.
- **Patient Zero Origin:** Founded on a deeply personal, battle-tested mission. Our founder utilized this exact architecture to overcome severe Traumatic Brain Injury (TBI) cognitive gaps, proving the framework's profound capacity for human amplification.



ILLUMINARI AI SYSTEMS

- **Absolute Data Sovereignty:** We offer Ephemeral Systems where progress and data are saved strictly to encrypted physical hardware—zero cloud trace, zero leaks.
- **WOSB Eligible:** Self-certified Small Business positioning for strategic sub-contracting and diversity quotas.

COMPANY DATA

Entity details	Information
Legal Name	Illuminari AI LLC
Domestic Registration	Wyoming (Active)
Designations	Self-Certified Small Business Woman-Owned Small Business (WOSB) Eligible
NAICS Codes	<ul style="list-style-type: none">• 541511 (Custom Computer Programming Services)• 541512 (Computer Systems Design Services)• 541715 (R&D in the Physical, Engineering, and Life Sciences)
EIN	Available upon verified Form W-9 request
UEI	[Registration Initiated]
CAGE Code	[Pending SAM.gov Submission]