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METIS LLC // RE-ENGINEERING SYSTEMIC RELIABILITY
INSTITUTIONAL CAPABILITY STATEMENT // PUBLIC SECTOR ADVISORY
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1. CORPORATE OVERVIEW

Metis LLC is an elite computational research and deployment house specializing in deterministic machine intelligence architectures, hardware-accelerated edge inference, and critical infrastructure cyber defense frameworks. Born out of the intersection of frontline medical operations and advanced AI systems engineering, Metis builds hardened, sovereign computing infrastructure designed for high-reliability sectors.

2. CORE CAPABILITIES

- * CORE SYSTEMS ARCHITECTURE: Engineering custom kernel-level schedulers, high-performance tensor reduction engines, and bare-metal resource allocators.
- * SOVEREIGN INFRASTRUCTURE DEFENSE: Designing resilient systemic protocols to mitigate cascading network failures and single points of data exposure within regional healthcare, logistical, and public sector networks.
- * STRATEGIC PUBLIC SECTOR ADVISORY: Structuring sovereign data residency deployment pipelines, procurement-ready edge computing blocks, and localized state computing frameworks compliant with national security vectors.

3. EMPIRICAL RESEARCH COMPLIANCE

Metis LLC's system threat modeling and architectural methodologies are anchored directly in peer-reviewed empirical informatics research published in the Journal of Medical Internet Research (JMIR, April 2025, DOI: 10.2196/59231): "Media Framing and Portrayals of Ransomware Impacts on Informatics, Employees, and Patients: Systematic Media Literature Review."

This foundational research details the real-world operational cascading harms of system vulnerability, directly guiding the engineering of Metis's deterministic platforms.

4. LEADERSHIP & PRINCIPAL INVESTIGATOR

- * DR. ISHMAEL A. AVERY // Founder & Principal Investigator
Dual-vantage expert operating within Emergency Medicine clinical environments and advanced Graduate Systems Research (AI and Cybersecurity Architecture).

5. CORPORATE MATRIX IDENTIFIERS

- * REGULATORY RESIDENCY: Structured for strict geographic edge isolation.
- * TECHNICAL CONTACT: partnerships@metis.gold
- * SECURITY PROTOCOL: Automated build-time verification tracking active.

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