

SOVEREIGN LOGIC SYSTEMS LLC

Deterministic Continuity & Embedded Survivability Research

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COMPANY OVERVIEW

Sovereign Logic Systems LLC is a deep-tech research firm specializing in protocol-level firmware and embedded system architectures for mission-critical environments. Our flagship MED CLOUD SENTINEL™ platform is an early-stage survivability research initiative focused on deterministic continuity preservation and reserve-energy embedded architectures for degraded operational environments and abrupt power-loss conditions.

CORE COMPETENCIES

- **Deterministic Continuity (JES-CIP):** Hardware-partitioned protocols reserving residual power for assured emergency signaling and state preservation.
- **Trusted Telemetry:** Cryptographic sealing concepts and constrained persistence architectures for continuity-oriented telemetry survivability.
- **Embedded Survivability:** Low-latency embedded firmware research for degraded and contested operational environments (STM32/ARM).
- **Continuity Governance Concepts:** Geolocation-aware continuity and jurisdiction-oriented persistence research for operationally sensitive environments.

KEY DIFFERENTIATORS

- **Protocol-Level Architecture:** Designed to operate independently of OS, UI, or cloud-service dependency chains.
- **Engineering Feasibility Focus:** Early-stage survivability testing, analytical feasibility evaluation, and prototype-oriented engineering research.
- **Operational Alignment:** Focused on survivability and continuity concepts relevant to defense, emergency response, operational medicine, and resilience-oriented infrastructure environments.

COMPANY DATA

UEI: R1Y8D7H253G9 | **CAGE:** 1AQN2 | **NAICS:** 541715 (Primary), 541512, 541330

Business Type: Small Business | **Registrations:** SAM.gov, DSBS