

BLACKGLASS CONTINUUM - CAPABILITY STATEMENT

Hardware-enforced runtime assurance and audit-grade evidence systems for autonomous agents, robotics, defense AI, and mission-critical infrastructure.

POC	Email	Website	Public Evidence
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Positioning

Blackglass Continuum builds deterministic runtime assurance, hardware safety boundaries, and evidence-density systems. The company focuses on pre-action control: measured arbitration between AI/ML output and physical or operational actuation, with SHA-sealed evidence defining what was tested, what was observed, and what the claim boundary permits.

Federal Posture

Element	Value
CAGE	17TJ5
UEI	SVZVXPTM9AF4
SAM	Active
SPRS	110/110
JCP	#31864
Small Business	Yes

Bench-Verified Metrics

Metric	Value
Arbitration-cycle timing	0.31 ms
GPIO interdiction response	420 ns
GPIO veto pulse width	50 ns
Governance threshold	0.05V
Primary evidence artifact	BGC-BM-RUN-001
Evidence status	SHA-sealed, bench-verified, STM32F767ZI

Core Competencies

Competency	Description
Runtime Assurance	Hardware-enforced arbitration between autonomous decision output and actuation paths.
Hardware Veto / Interdiction	Bench-verified control path with 0.31 ms timing, 420 ns GPIO response, and 50 ns veto pulse width.
Evidence Sealing	SHA-256 manifests, reproducible run logs, and immutable audit trails for claim verification.
Agent Governance	Pre-action authorization, role coherence, rogue-agent resilience, and local policy enforcement.
DIL / Contested Operations	Local inference control and fail-degraded behavior without network or host-trust dependency.

Claim Boundaries

Blackglass Does	Blackglass Does Not
Enforce measurable constraints at runtime.	Claim to solve AI alignment.
Provide audit-grade evidence and sealed artifacts.	Claim deployment at a federal site.
Support DIL, contested, and low-trust environments.	Migrate old timing claims onto modified firmware.
Produce hardware-verifiable control signals.	Rely on software-only policy as the final safety boundary.

Procurement Posture

Element	Value
Primary NAICS	541511 - Custom Computer Programming Services
Additional NAICS	541512, 541519, 541611, 518210
Procurement Channels	SAM.gov, DIBBS, OTA/BAA, prime subcontracting
Engagement Modes	Pilot/demo, evaluation harness, hardware-in-the-loop artifact, subcontract support
Availability	Capability brief, sanitized evidence review, and technical walkthrough by request

Summary: Blackglass Continuum provides the evidenced control layer for autonomous systems that now actually act.