

ETHRAEON

Constitutional runtime and evidence control layer for AI governance.

Measurable. Enforceable. Sovereign-ready.

Patent specifications	73 specs / 9 families / 16 USPTO-filed
Attribution	S. Jason Prohaska (ingombrante)
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Schedule A+	Enhanced IP Firewall Protected
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What it is

ETHRAEON is a constitutional runtime that enforces governance at the point of AI execution. Every model call, every agent action, every tool invocation passes through policy enforcement before completion. Decisions produce cryptographically linked evidence records that are append-only, tamper-evident, and auditor-readable. The system is fail-closed by default: every request is denied unless explicitly authorized.

The runtime sits between any AI capability and any deployed surface. It is substrate-agnostic, vendor-agnostic, and sovereign-capable. It is the evidence-control layer for AGI-class, ASI-class, and SGI-category systems under human authority.

Set A valuation lanes (never collapsed)

Lane	Value	Source
IP Replacement Transaction Price	\$883.3M (P90)	patent portfolio valuation
Enterprise (Decacorn layer)	\$14B+	forward enterprise valuation
Total Addressable Market	\$251B	AI governance TAM

Five constitutional principles

Fail-Closed by Default

Every request is denied unless explicitly authorized by policy. No ambiguity. No default-allow. No silent pass-through.

Evidence on Every Action

Every governance decision produces a cryptographically linked evidence node. Append-only. Tamper-evident. Auditor-readable.

Semantic Invariance

DELTASUM hashes lock data integrity. One bit changes, the system knows. No silent corruption. No unnoticed drift.

Temporal Governance

KAIROS enforces time-windowed operations. Not just what is allowed; when it is allowed. Ethical compliance has a clock.

Self-Testing

Adversarial audit simulation, chaos testing, claim-versus-runtime scanning. The system attacks itself to prove it holds.

Regulatory readiness

Auto-generated compliance packs aligned to EU AI Act Annex IV, ISO 42001, NIST AI RMF, and SOC 2 self-certification. Generated from live runtime, not from a spreadsheet. SOC 2 status: self-certified (no third-party audit claim).

How it works

Every AI action passes through constitutional enforcement before execution.

Step	Component	Role
1	LLM Request	Incoming model call or agent action
2	PEP - Policy Enforcement Point	Intercepts request before execution
3	PDP - Policy Decision Point	Adjudicates against constitution + canon
4	Allow / Deny	Fail-closed; default-deny on any ambiguity
5	Evidence Record	Append-only EDG node with hash + chain link
6	KAIROS Time Lock	Temporal window enforcement on the action

Substrate independence

The runtime is substrate-agnostic. It governs equally across silicon, specialized accelerators, and biological compute substrates. Constitutional enforcement does not depend on the model vendor or the deployment topology. Human authority is the system boundary.

Attribution + chain

Author

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AC-1, sole sovereign authority.

Identifiers

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Humanitas ante Machinam.

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