

# HER<sub>2</sub><sup>™</sup> — Forensic Evidence System for Artificial Intelligence

*Recomputable, non-normative evidence for AI interaction behavior*

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## The Problem

When AI systems are audited, investigated or litigated, dashboards, logs, and narratives collapse.

- Vendor logs are mutable
- Explanations are post-hoc
- Model behavior cannot be independently reconstructed

In legal disputes, claims per se are not reliable evidence.

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## What HER<sub>2</sub><sup>™</sup> Is

HER<sub>2</sub><sup>™</sup> is the forensic evidence system for AI.

It produces recomputable, cryptographically verifiable records of how the AI system behaved — over time — under declared conditions.

HER<sub>2</sub><sup>™</sup> preserves the facts of what happened, in what order, and with which evaluators, without modifying the model/s.

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## What HER<sub>2</sub><sup>™</sup> Produces

- Interaction Integrity Records  
*Structured JSON artifacts binding inputs, outputs, context, and provenance.*
- Temporal Causality Records  
*Append-only lineage across time (drift, divergence, recovery preserved as evidence).*
- Cross-Evaluator Evidence  
*Parallel records across evaluators without forced consensus.*
- Signed Evidence Bundles  
*Manifest, hashes, signatures, and recomputation instructions.*

All artifacts are portable, inspectable, and independently cryptographically verifiable.

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## What HER<sub>2</sub><sup>™</sup> Is Not

- Not a certification or compliance judgment
- Not an enforcement or policy engine
- Not a model controller or modifier
- Not a dashboard or explanation layer

HER<sub>2</sub><sup>™</sup> does not adjudicate facts — it preserves evidence.

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## Who Uses HER<sub>2</sub><sup>™</sup>

- Venture Capital / Private Equity  
*Verify AI behavior during diligence — and prove it later.*
- Banks, Fintechs, Insurers  
*Reconstruct AI decisions under audit or dispute.*

- Audit & Compliance Firms  
*Independently replay model behavior beyond control reviews.*
  - Litigation & Expert Witnesses  
*Produce neutral, court-inspectable AI evidence.*
  - Insurance Underwriters  
*Reconstruct incidents to price and assess AI risk.*
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## Deployment

- Runs offline, in CI, or inside agent runtimes
  - No access to model weights or training data required
  - Vendor-agnostic by design
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## Status

Patent pending · Private pilot licenses available

HER<sub>2</sub><sup>TM</sup> is derived from the public HER2NI research protocol family and delivered as a private forensic evidence system.

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## Summary

HER<sub>2</sub><sup>TM</sup> is not a model  
HER<sub>2</sub><sup>TM</sup> does not judge correctness  
HER<sub>2</sub><sup>TM</sup> produces court-usable artifacts  
HER<sub>2</sub><sup>TM</sup> survives hostile review

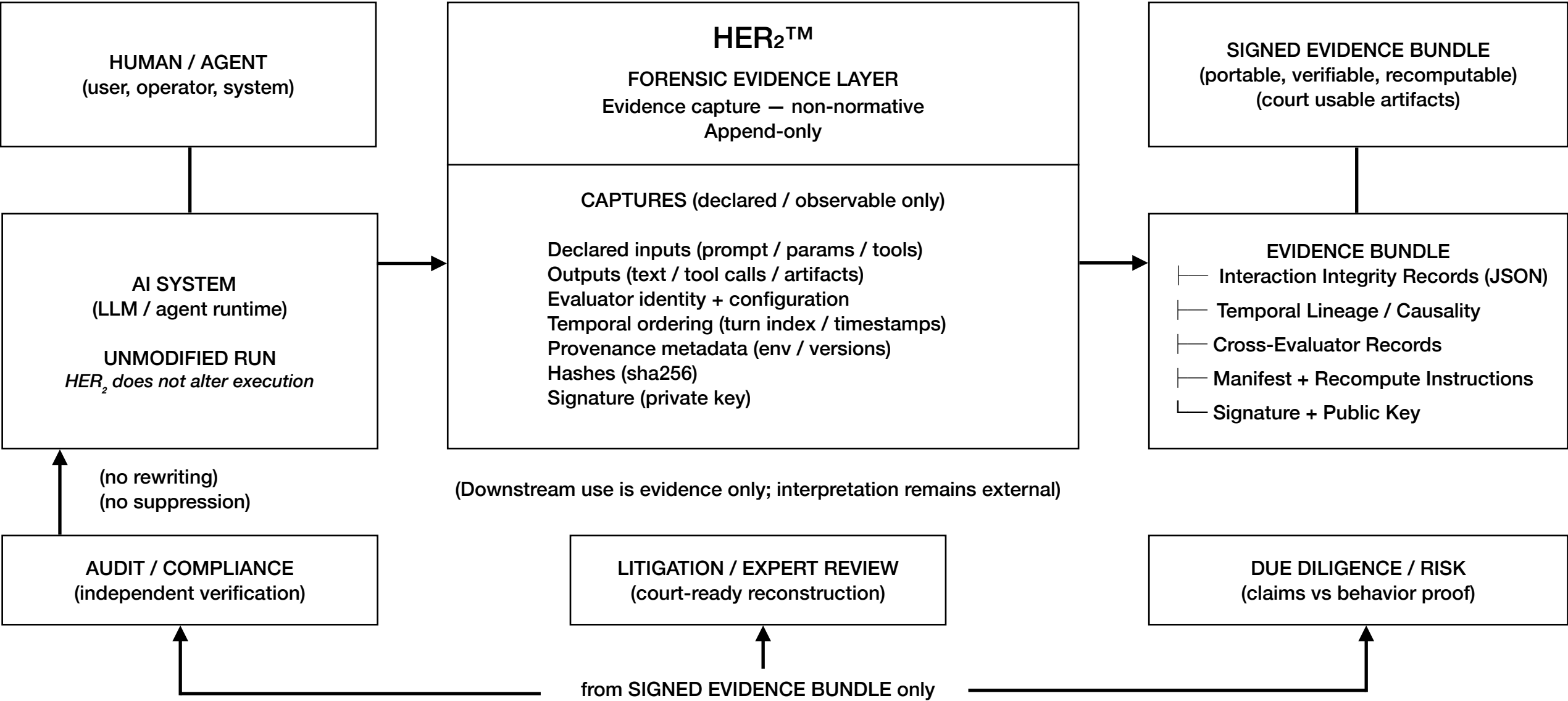
When narratives collapse, only recomputable records remain.  
HER<sub>2</sub><sup>TM</sup> is your evidence layer.

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## Annexed

FIG. X — HER<sub>2</sub><sup>TM</sup> Architecture & Interaction Evidence Flow (Model-Agnostic)

**FIG. X — HER<sub>2</sub><sup>TM</sup> Architecture & Interaction Evidence Flow (Model-Agnostic)**



**CAPTION:**  
HER<sub>2</sub><sup>TM</sup> records interaction behavior as evidence, independent of model internals, explanations, or operator custody.