

HER₂™ — Forensic Evidence System for Artificial Intelligence

Recomputable, non-normative evidence for AI interaction behavior

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 AI legal disputes, the probative value of assertions depends on independent, verifiable supporting evidence.

What HER₂™ Is

HER₂™ is the forensic evidence system for AI.

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

HER₂™ preserves observable facts of what occurred, in what order, and under which evaluators and execution conditions, without modifying the model/s.

What HER₂™ 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.
- Evaluator-agnostic preservation
Records outputs from internal, third-party, or reference evaluators without requiring adoption of HER₂™ evaluation logic

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

What HER₂™ 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
- Not a substitute for expert opinion or legal analysis

HER₂™ does not adjudicate facts — it preserves evidence.

Who Uses HER₂™

- 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.

Deployment

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

Status

Case-scoped forensic engagements available · Patent-pending

HER₂™ is derived from the public HER2NI research protocol family and delivered as a private forensic evidence system.

Summary

HER₂™ is not a model

HER₂™ does not judge correctness

HER₂™ produces court-usable artifacts

HER₂™ survives hostile review

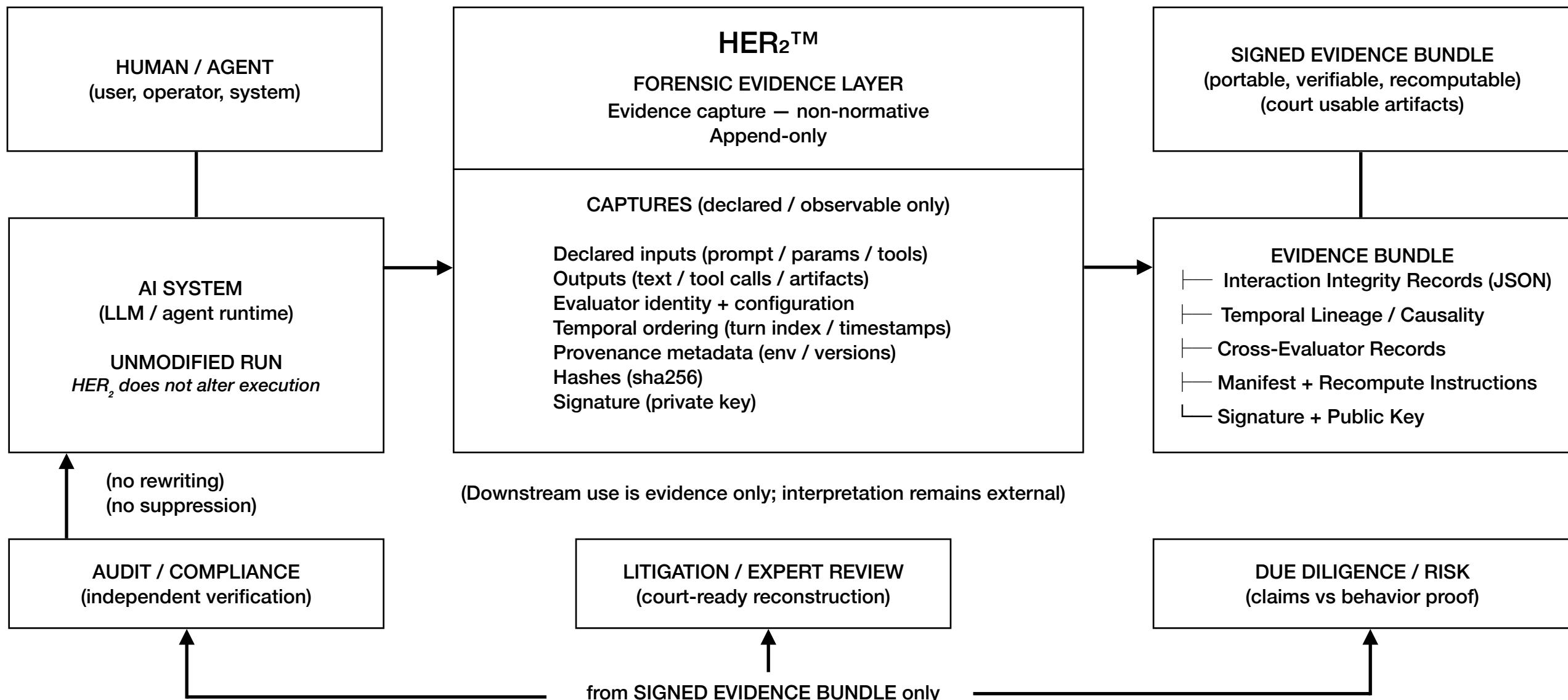
When narratives collapse, only recomputable records remain.

HER₂™ is your evidence layer.

Annexed

FIG. X — HER₂™ Architecture & Interaction Evidence Flow (Model-Agnostic)

FIG. X – HER₂TM Architecture & Interaction Evidence Flow (Model-Agnostic)



CAPTION:

HER₂TM records interaction behavior as evidence, independent of model internals, explanations, or operator custody.

HER₂™ – Case-Spaced Forensic Evidence Pack

Licensed forensic evidence system for AI interaction reconstruction

Purpose

The HER₂™ Case-Spaced Forensic Evidence Pack provides a recomputable, tamper-evident record of AI interaction behavior for a defined matter, suitable for forensic analysis, audit defense, expert review, or dispute reconstruction.

HER₂™ records what occurred, under declared conditions, over time — without modifying the AI system, inspecting proprietary internals, or asserting judgment.

What This Engagement Is

A case-scope forensic engagement, not a software trial or ongoing subscription.

HER₂™ is deployed against a defined interaction scope (e.g. a system, workflow, model configuration, or disputed scenario) and produces a self-contained evidentiary package for expert analysis.

This engagement results in deliverable artifacts, not dashboards.

What Is Delivered

Each Case-Spaced Forensic Evidence Pack includes:

- Declared Interaction Scope
- Inputs, context, evaluators, and execution boundaries
- Immutable Interaction Records
- Structured and raw interaction artifacts
- Temporal Reconstruction
- Ordered interaction trajectories across time
- Integrity & Provenance Manifests
- Cryptographic hashes, lineage, evaluator fingerprints
- Recomputability Specification
- Instructions enabling independent verification or replay
- Non-Normative Declaration
- Explicit statement that artifacts assert no correctness, compliance, or preference
- Filing-Safe Packaging
- Evidence bundle suitable for expert review, audit, or legal proceedings

Artifacts are portable, independently verifiable, and non-destructive.

What HER₂™ Does Not Do

HER₂™ is intentionally constrained.

It does not:

- modify prompts, outputs, or system behavior
- rank, score, certify, or approve outputs
- assert compliance, safety, or correctness

- replace expert judgment or legal analysis

HER₂™ is evidence infrastructure, not an authority.

Technical Characteristics

- Model-agnostic (LLMs, multimodal systems, agents)
- Evaluator-agnostic (internal, third-party, or mixed)
- Deterministic artifact generation where possible
- Non-determinism explicitly recorded where present
- No access to proprietary weights, activations, or training data required

Licensing & Scope

- Licensed engagement
- Case-scoped
- Fixed deliverables
- No redistribution outside agreement

This engagement does not grant rights to the underlying HER₂™ system or HER2NI research protocol.

Typical Use Cases (Non-Exhaustive)

- AI incident reconstruction
- Litigation support & expert preparation
- Audit or regulatory response
- Model governance and drift analysis
- Internal dispute or risk review
- Comparative evaluator analysis

Engagement Structure

- Fixed scope, defined upfront
- 2–4 week delivery window (typical)
- Fixed fee per case

Pricing is aligned to forensic engagement norms, not SaaS subscriptions. Comparable to digital forensics and expert reconstruction engagements.

Contact

HER₂™ Licensing & Engagements

 licensing@her2.ai

 <https://her2.ai>