

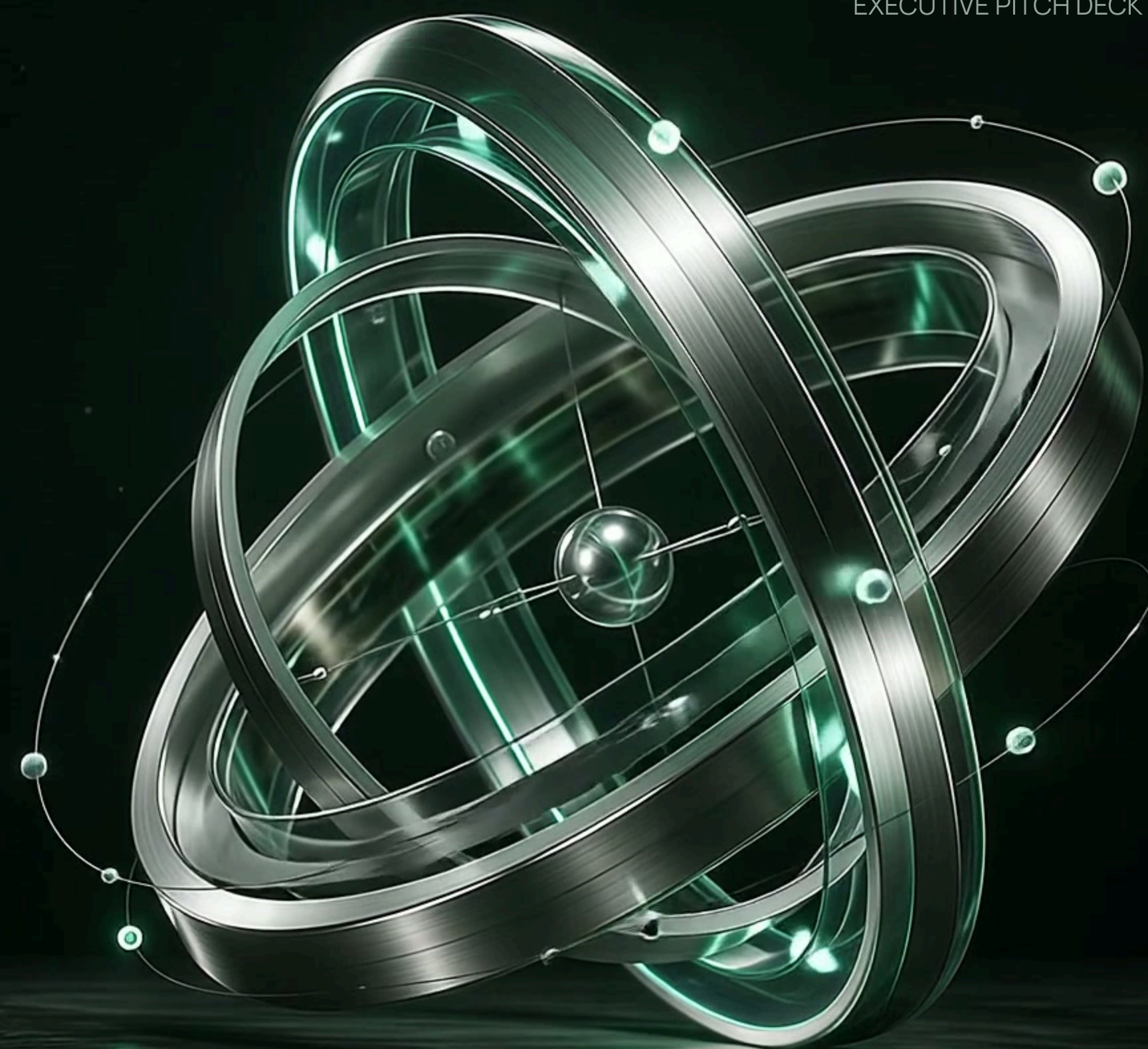


• INTELLIGENCE, WITH INTEGRITY.

NEIM TrustTech.

The autonomous governance runtime
for enterprise agentic systems.

— FROM REACTIVE COMPLIANCE TO RUNTIME TRUST



01 / THE PROBLEM

The compliance velocity gap

AI moves in milliseconds. Traditional oversight doesn't.

TRADITIONAL COMPLIANCE

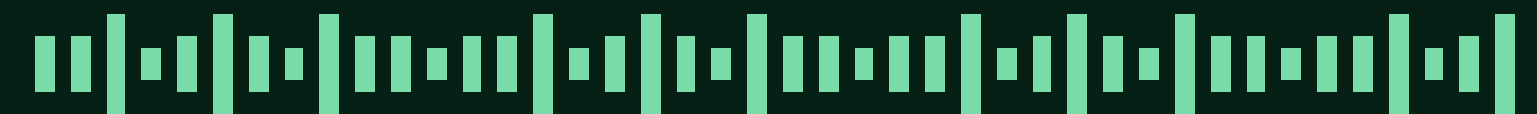
Quarterly audits.



Manual checklists. Static reports.
Risk discovered after the fact.

AUTONOMOUS AGENT REALITY

Continuous decisions.



Thousands of inferences per second.
Multi-step tool execution. Evolving stochastic behavior.



Uncontained agentic drift turns the oversight gap into immediate operational, regulatory, and financial exposure. Perimeter filters catch text tokens — not macro behavioral drift.

02 / THE PARADIGM SHIFT

From control to equilibrium

Not another checklist.

A self-stabilizing Gov-OS.

Embed non-equilibrium physics and active inference directly into enterprise infrastructure.

- ⚡ Continuously sense instability
- 🔗 Adapt to changing conditions
- 🛡️ Enforce safety at runtime

OPERATIONAL EXPOSURE

Uncontained risk High exposure · low scrutiny	Reactive control High exposure · high scrutiny
Opaque stability Low exposure · low scrutiny	Homeostatic equilibrium Low exposure · high scrutiny



TRANSPARENCY & SCRUTINY →

03 / CORE ARCHITECTURE

Governance at runtime

Four connected layers. One continuous safety loop.



01

112-node seed matrix

Connect enterprise subsystems to normative behavioral nodes without architectural bottlenecks.



02

Thermodynamic engine

Canonical equations and dynamic Lyapunov bounds ($V \leq 0$) inform stability and circuit-breakers.



03

Out-of-band sidecars

Separate safety enforcement from the primary execution path. Designed for zero-latency protection.



04

GERD audit substrate

PostgreSQL 16 / TimescaleDB with sealed audit trails, SMPC, FedThermo, and differential privacy ($\epsilon = 1.0$).

Proposed architecture · latency and enforcement performance to be validated in pilot.

04 / MARKET POSITIONING

The day-one utility wedge

Deploy on day one. No enterprise overhaul required.

Why monoliths fail

- 01 Enterprise data platforms demand heavy data integration and lock you into closed ecosystems – failing to govern decentralized agentic swarms. →

Why perimeter tools fail

- 02 Reductionist prompt filters act as micro-bouncers, missing system-wide thermodynamic drift. →

The NEIM solution – NEIM-Lite

- 03 Deploy the Gov-OS proxy sidecar on day one – zero architectural compromise, instant edge control over agentic drift, and frictionless scale on GERD telemetry. →

05 / MARKET OPPORTUNITY

Total addressable market & wedge strategy

A universal mandate creates a governed-market wedge.



Market sizing from source outline · not independently validated.

06 / GO-TO-MARKET STRATEGY

Bottom-up velocity. Top-down enterprise scale.

Land with the wedge. Expand with verifiable telemetry.

01

Developer & CISO land

NEIM-LITE WEDGE

Target engineering teams and AI product leads experiencing acute agentic chaos. Deploy proxy sidecars out-of-band with zero architectural friction.

02

Vertical expansion

HIGH-STAKES PILOTS

Establish beachheads in regulated sub-sectors — financial services, healthcare, defense — using verifiable GERD telemetry to prove instant ROI.

03

Enterprise & ecosystem

SCIP INTEGRATION

Convert pilot telemetry into macro-compliance suites, scaling horizontally across partner ecosystems without migration engineering.

07 / INDUSTRY SOLUTIONS

Industry Solutions: Autonomous Governance in Action

Moving beyond reactive compliance to real-time thermodynamic stabilization across high-stakes enterprise sectors.



Financial Services & Banking

Flash crashes, agentic drift during macro shocks, and fair-lending compliance managed via thermodynamic circuit-breakers and SMPC/FedThermo collaboration.



Healthcare & Pharma

Securing clinical safety pipelines and privacy-preserving cross-border research against hallucination drift.



Critical Infrastructure

Power-grid stabilization and Lyapunov-bounded fault prevention across distributed physical-digital nodes.



Logistics & Supply Chain

Multi-agent pricing stability, inventory optimization, and cross-fleet security.



Commercial Insurance

Real-time risk telemetry and dynamic underwriting governance to control exposure and optimize loss ratios.



Defense & Autonomous Systems

Edge protection and out-of-band proxy sidecars ensuring normative alignment in high-consequence operations.



E-Government & Legal

Runtime oversight and transparency telemetry for public-sector AI and automated contract-generation swarms.



Cybersecurity

Zero-trust sidecar governance, SOAR telemetry oversight, and tamper-evident breach forensics via GERD.

08 / REGULATORY ALIGNMENT

Built for sovereign oversight

Translate global standards into continuous operational oversight.

12–14

EU AI Act articles

Automated record-keeping, transparency telemetry, and human-oversight circuit-breakers.



NIST & ISO

NIST AI RMF and ISO/IEC 42001:2023: continuous risk management and auditable adaptation.



Sovereign governance

SCIP ecosystem alignment, regional data mandates, and privacy-preserving intelligence sharing.

✓ Alignment by design. Evidence through runtime telemetry.

Proposed regulatory mapping; not a claim of certification or legal compliance.

09 / ECONOMIC VALUE

Protect capital. Compress waste.

Move governance from overhead to an instrument of resilience.

01 Compress operational waste

Reduce manual audit overhead and legal friction with continuous verification.



02 Protect enterprise capital

Preempt regulatory exposure, operational disruption, and brand erosion.



03 Optimize insurance premiums

Replace uncertainty with live, cryptographically verifiable safety telemetry.



Value hypotheses to quantify in pilot · no measured savings or projections supplied.

10 / THE PILOT ROADMAP

Start at the edge. Scale with trust.

A phased pathway from day-one edge deployment to enterprise scale.

01

NEIM-Lite

DAY ONE

Deploy out-of-band proxy sidecars in monitor/enforce mode to solve immediate agentic drift.

02

Calibrate

THERMODYNAMIC CALIBRATION

Activate thermodynamic calibration and assess Trust Stability Indices via GERD telemetry.

03

Enterprise scale

FULL GOVERNANCE

Unlock macro progress levels and full regulatory compliance suites seamlessly.

Request commercial pilot access — founder@neimoft.com

