

Industrial Utility / ATC / Quant Research

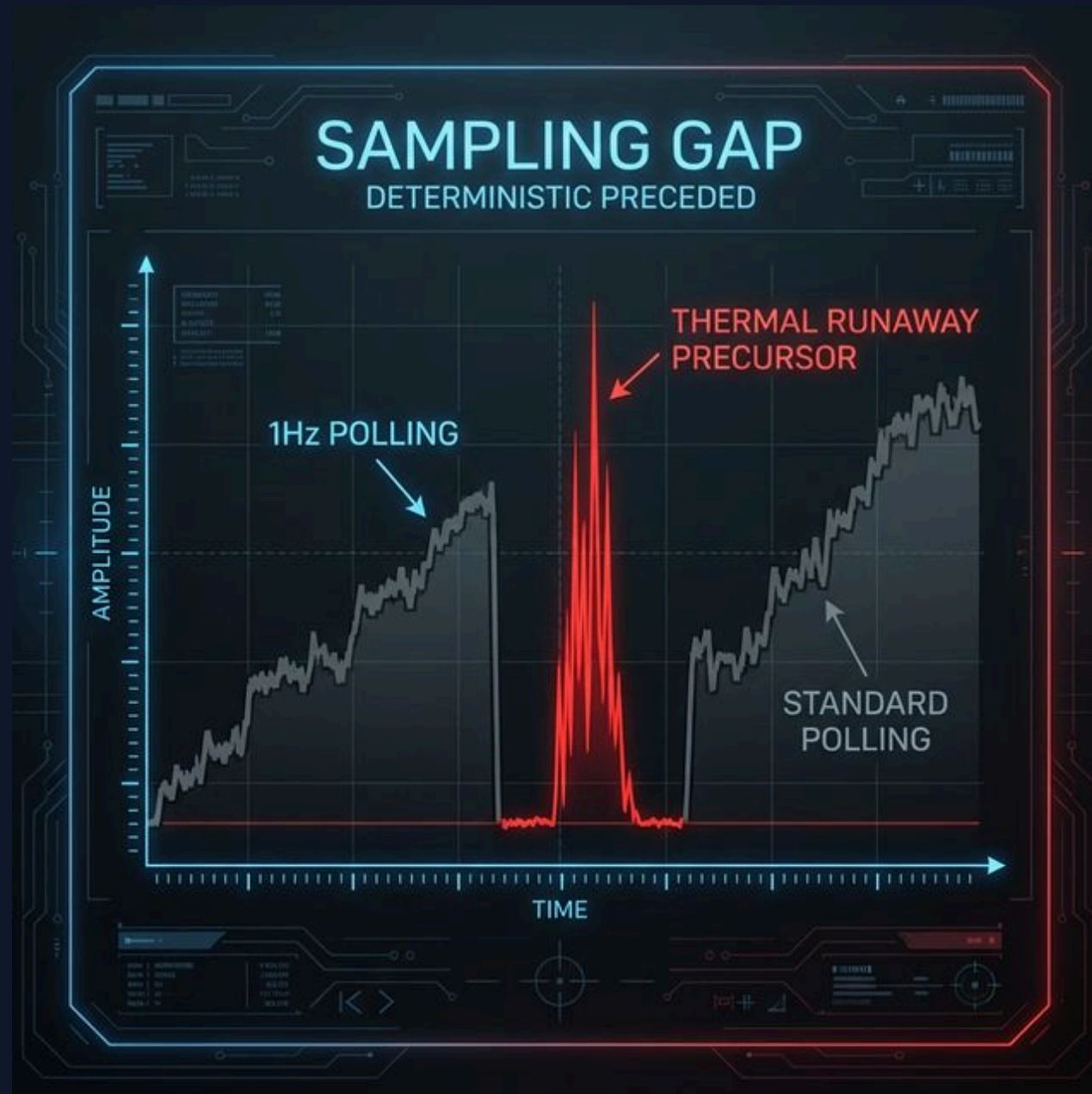
Oxaide: The Sovereign Physics Engine

Deterministic Safety & Intelligence for
Critical Infrastructure

✦xaide



The Problem - The \$100M Sampling Gap



Conventional monitoring is a slow ledger of historical failure. 1Hz poll rates are blind to the high-frequency thermal precursors that precede catastrophic asset loss.

What happens between those 1Hz polls is the difference between operational continuity and total destruction.

The Solution - High-Frequency Execution

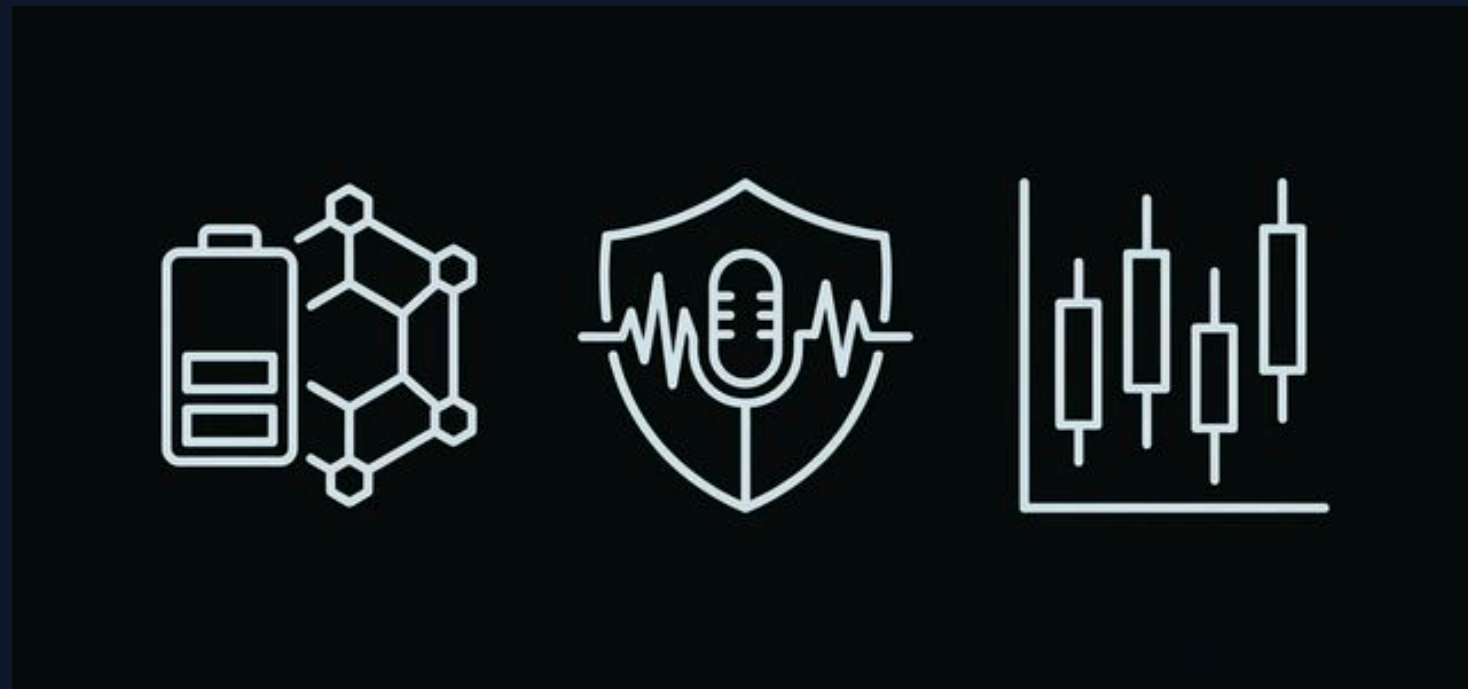
We port financial-grade sub-millisecond execution to industrial physics.

Built on memory-safe Rust kernels with zero garbage collection. Oxaide is not a "wrapper" or "script". It is an assembly of pre-verified deterministic kernels designed for 100% architectural consistency and 70% reduction in deployment risk.

Mastery of the sampling gap allows us to isolate precursors before they manifest as failure.



The Industrial Application Map

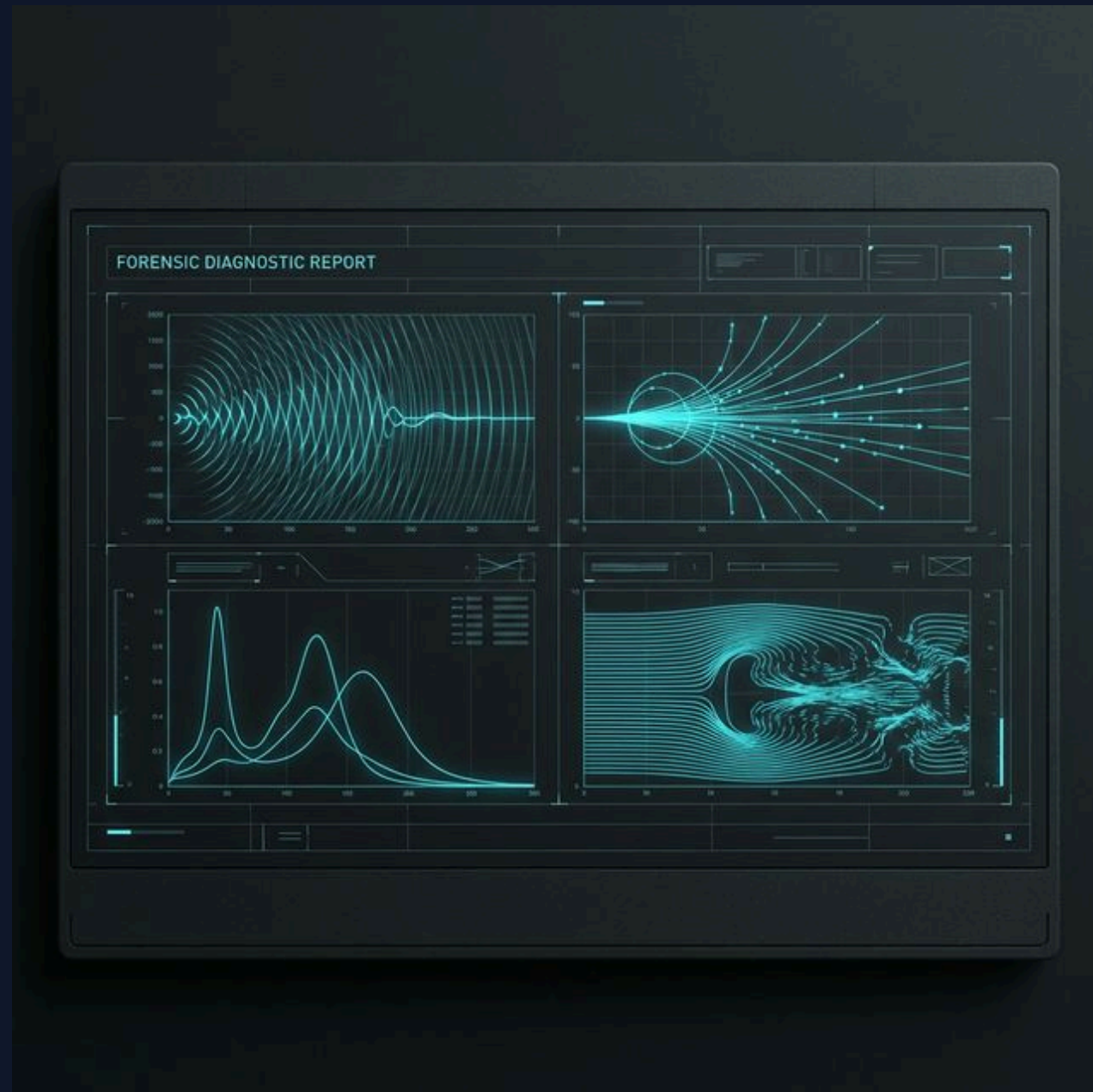


The Verticals:

1. Energy & Grid Resilience: High-fidelity SOH for BESS/Solar assets.
2. Safety-Critical Intelligence: Zero-hallucination ASR for ATC & Maritime.
3. Institutional Quant Research: Differential alpha generation for Commodities.

One Sovereign Engine. Three High-Consequence Applications.

Engagement Mode I - Oxaide Verify



Forensic Diagnostic & Modeling

"Supply the telemetry; we reconstruct the physics."

Verify requires zero hardware CapEx. It is a historical forensic audit designed to isolate hidden anomalies and chemical degradation (LLI/LAM) buried in your telemetry logs.

Ideal For: Utilities requiring pre-ignition risk audits, Logistics brokers for cargo flow modeling, and Safety Pilots for AI validation.

Engagement Mode II - Oxaide Horizon



Sovereign Engine Deployment

"Sovereign, Airgapped, Real-Time."

Horizon brings the engine to the edge. We train and verify the model remotely and deploy the node airgapped on-site. Real-time deterministic detection with zero cloud risk.

Ideal For: Critical BESS protection, high-concurrency voice-assistant enclaves, and proprietary institutional alpha desks.

The Yield - Asset Life Extension (S\$10M+ Impact)

Protecting high-consequence assets from catastrophic drift requires sub-millisecond precision.

Commercial Impact: 20% Life Extension on S\$20M+ BESS sites via real-time optimization. Elimination of extreme tail risk through zero-hallucination validation.



Continuous Assurance (Institutional Shield)



Oxaide is built for IM8 and IEC 62443 cyber-security standards.

Technical continuity is guaranteed via Full Source Code Escrow. Standard engagements include up to S\$1M+ Professional Indemnity & Cyber Liability coverage through Rocketship Pte. Ltd. (Singapore).

Ready for Deployment

Contact: hi@oxaide.com | oxaide.com
Entity: Rocketship Pte. Ltd. (Singapore)

- Request Forensic Technical Audit (Verify)
- Start Tactical Edge Integration (Horizon)



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