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Reliable memory for AI systems.

EDN Memory Engine: deterministic, provenance-governed memory for multi-session AI. AI infrastructure / LLM memory. Brisbane, Australia. tensorpro.ai

The problem

AI systems lose context between sessions and fill the gaps by fabricating. Without provenance, unverified output is recalled later and reused as fact, and none of it is auditable. Regulators and insurers increasingly ask what an AI knew and where that came from.

What we do

EDN is external, model-independent memory middleware. It captures interaction history, classifies every record by provenance, governs what is admissible as fact, retrieves under a fixed policy, and returns a compact, deterministic context package at the start of each session. It is a drop-in layer: the model is never fine-tuned and stays swappable.

Why it is different

- **Provenance over prediction:** the source class, not a tunable confidence score, gates what reaches the model.
- **Deterministic, LLM-free retrieval:** same input and same memory give the same result, reproducible and auditable by construction.
- **Structural separation:** user-stated facts are kept apart from unverified AI-generated content at the data-model level.

Proof

- Sealed, reproducible evaluation produced on an NVIDIA DGX Spark GB10: **85.4% with Claude Haiku 4.5 and 81.4% with GPT-4o; the memory layer adds +39.9 points and Round-level records +22.5 points.**
- 15 sealed, checksummed run packages and a research paper. Functional MVP with a working Console; API in private beta.
- Provisional patent filed, June 2026.

Market and business model

Memory is becoming the differentiator as base models commoditise. Record-keeping duties under the EU AI Act take effect from August 2026 and AI-liability insurance is emerging, raising demand for governed, auditable memory. Buyers: AI product teams, agent platforms, and regulated enterprises. Model: usage-based API, with a governance and deployment premium (self-hosted and air-gapped) for enterprise and regulated customers.

Team

Luis Ibanez Founder | **George Ibanez** Business and Operations | **Dr Kexuan (Jade) Xin** Principal Research Scientist | **Asha Soman** Full-stack Engineer

We are raising a PRE-SEED ROUND ON A SAFE to move EDN to production, land our first design partners, and complete the next benchmark.

Contact **Luis Ibanez** at **investors@tensorpro.ai** to see the private-beta demo and request the data room. tensorpro.ai