

AI agents that *learn*.

Membria is the memory & experience layer for AI agents — one causal-memory core powering products for software teams, industrial engineering and audit.



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CONFIDENTIAL

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Intelligence that *resets* every morning

- 1. AI agents are stateless**
Every session starts from zero. Yesterday's reasoning, decisions and failures are discarded the moment the window closes.
- 2. Mistakes repeat — and they're expensive**
Coding teams re-solve the same problems; in engineering, **28% of budget overruns** are caused by rework.
- 3. Handovers bleed context**
30–50% of assumptions vanish at every phase handover; 18% of working time is spent searching for data that already exists.
- 4. Judgment walks out the door**
A senior engineer leaves — and fifteen years of decisions, lessons and "don't do this" leave with them.

Every AI tool today can answer questions. **None of them remembers why decisions were made — or what happened next.**

The experience graph is *unclaimed*

1. Agents became the workforce

Claude Code, Codex and Cursor now do real daily work in code, engineering and finance — but they shipped without memory.

2. MCP became the standard port

One protocol plugs a memory plane into every agent on the market — distribution without integration projects.

3. Regulation demands traceability

EU AI Act and ISO 19650 require defensible decisions and immutable audit trails in safety-critical work — exactly what a causal memory produces by default. Europe is where this lands first.

4. Incumbents own data, not experience

Nobody owns the decision → outcome graph. Whoever captures it first gets a moat that compounds with every user, every day.

Membria *Reasoning Graph* Workforce

INSTITUTIONAL KNOWLEDGE



Memory

- ✓ **Decisions** — every choice captured with its reasoning
- ✓ **Consistency** — behavior chains keep teams aligned
- ✓ **Skills** — wins distilled into reusable know-how
- ✓ **NegativeKnowledge** — failures become rules

MULTI-AGENT HARNESS



Reasoning

- ✓ **Mesh** — many agents work in parallel
- ✓ **Coordination** — agents hand off via A2A
- ✓ **Routing** — each task to the right model
- ✓ **Quality gates** — verification blocks bad output

DOMAIN-AGNOSTIC FOUNDATION



Graph

- ✓ **GraphRAG** — semantic search over a property graph
- ✓ **Multi-domain** — one schema across every domain
- ✓ **Orchestration** — work runs as a dependency graph
- ✓ **Adaptive** — memory that strengthens with use

One loop, *every stage*

Not a memory bolted onto one step — every shipped outcome feeds the next decision.

01

Plan

Recalls decisions and outcomes from similar work — the agent starts from what already worked.

02

Execute

Injects validated skills and blocks known anti-patterns as the work is being done.

03

Review

Checks the result against past failures and standards — deterministic critics, auditable output.

04

Ship

Records the real outcome and links it back to the decision that caused it.

🔗 Every outcome feeds the next decision. One MCP connection: `npx @membria/cli init`

EPC first: *nobody remembers*



Description → P&ID in minutes

Plain words or an equipment CSV in; a laid-out diagram out.



Real CAD files, not pictures

DXF for AutoCAD, DEXPI for AVEVA/Hexagon, IFC4 for BIM.



Five-discipline critics

Process, Mechanical, HSE, I&C, Piping — deterministic, auditable, repeatable.



Every defect becomes memory

Finding → change request → negative knowledge, automatically.



Zero competitors with persistent memory

Autodesk, Bentley, AVEVA, Trimble, Procore — all stateless.



Regulation is the sales agent

EU AI Act + ISO 19650 make traceable decisions mandatory in safety-critical infrastructure.

Graph data model

Every P&ID, spec and decision — one connected graph

The engineering knowledge graph *no one else has*

20,000+

engineering standards processed — API · ASME · IEC · ISO · FOCT · DNV · NFPA · AWS · ASTM

2.5M+

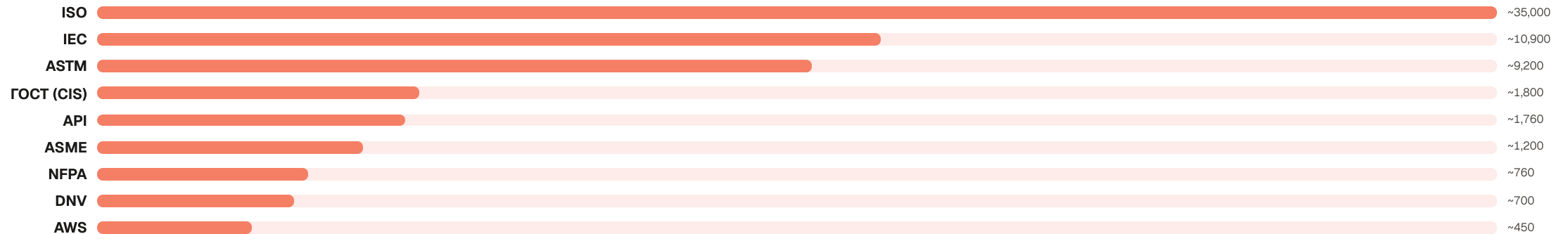
machine-extracted rules: ~1.2M prohibitions + ~1.3M best practices

10,000+

equipment types mapped to rules across 20+ disciplines

6

jurisdictions in one graph: US · EU · UK · Norway · CIS · International



+ ACI · EEMUA · WRC · HI · FM · CGA · NORSOK · Eurocode — bars on a sqrt scale for readability

No cold start, ever. The same schema ships pre-loaded in code too — 96.5K production repos mined, ~570K Skills and AntiPatterns live. A generic memory startup begins every client at zero; we begin already knowing what fails.

Nobody *remembers*

CAPABILITY	MEMBRIA	AUTODESK	BENTLEY	AVEVA	PROCORE	SYMPHONY AI	PALANTIR FOUNDRY	MEMO · ZEP LETTA
Persistent memory across sessions	✓	—	—	—	—	—	~	✓
Decision → outcome provenance	✓	—	—	—	—	—	~	—
Negative knowledge — what already failed	✓	—	—	—	—	—	—	—
Verification & quality gates	✓	~	~	~	—	—	~	—
Standards graph — ISO · API · ASME	✓	—	—	—	—	—	—	—
EPC domain depth	✓	✓	✓	✓	✓	~	~	—
Works with any agent via MCP	✓	—	—	—	—	—	—	✓
Multi-agent orchestration	✓	—	—	—	—	—	✓	—
Experience compounds across projects	✓	—	—	—	—	—	—	—
Serves small & mid-size business	✓	✓	~	—	✓	—	—	✓
Installed base & distribution	~	✓	✓	✓	✓	~	✓	~

✓ yes · ~ partial · — no · **The real competition is inertia:** Excel + "it works fine as is." Every project starts from a blank page — that is the memory problem, and it's solvable.

Sequencing, not *spreading*

CE subscriptions for solo developers · per-seat team plans · self-hosted enterprise license · EPC per-project pricing.

NOW

Foundation

€500K revenue by end of 2026

1 bank + 1 government, live
EPC pilots in engineering
CE & EPC SaaS launching in parallel
100+ seats in production

NEXT 12 MONTHS

EPC revenue

€2M revenue in 2027

first EPC contracts
Glass audit beta
commons → 1–2M nodes
ISO 27001 / SOC 2 path

24 MONTHS

Memory-plane API

€6M revenue in 2028

open experience layer
any agent, any vendor
cross-industry commons
platform economics



Let's build the layer
agents can't work without.

TEAM & ASK

Let's Work Together



Philippe Khomenok

CEO · Co-Founder

Strategic vision, go-to-market and growth



Michael Arossine

CTO · Co-Founder

Platform architecture, enterprise delivery



Mike Keer

Lead ML Architect

Memory & reasoning systems — fast, reliable, built to scale

ASK	DETAIL
Traction	1 bank + 1 government live enterprise · multiple EPC engineering pilots · 100+ seats deployed · CE & EPC SaaS launching in parallel
European Base	Belgium entity · relocating to Luxembourg · LuxProvide / MeluXina HPC partner · built for EU AI Act & ISO 19650 compliance
Raising	€500K pre-seed on a €5M pre-revenue valuation
Use of funds	EPC go-to-market · core team to 7 · 18 months runway to Series A
Contact	hi@actiq.ai · membrion.ai · code.membrion.ai · epc.membrion.ai · glass.membrion.ai (soon)