



Frontier AI Models

Claude | GPT | Gemini | Llama

► What AI Can Do



CONSTITUTIONAL MEMORY.AI

Constitutional Memory

Governed AI Memory Layer

► How AI Is Allowed to Behave



- Tolco Edge Nodes
- Federated Cloud Network
- European Control



Sovereign Infrastructure

Federated Cloud | Telco Edge | EURO-3C

► Where AI Runs

EURO-3C



Constitutional Memory completes the full stack of European AI Sovereignty

— being built by EURO-3C —

The Full Stack of European AI Sovereignty

Where Europe is building — and what is still missing

In March 2026, at Mobile World Congress in Barcelona, the European Commission unveiled EURO-3C — Europe's first large-scale federated Telco-Edge-Cloud infrastructure. Funded with **€75 million from Horizon Europe**, led by a consortium of 87 organisations across 13 countries, with **Telefónica as consortium leader** and partners including Capgemini, Deutsche Telekom, Vodafone, Orange, Thales, BT, Ericsson and Nokia — it is the most significant coordinated commitment to European digital sovereignty yet announced.

EURO-3C secures the infrastructure layer of European AI sovereignty: **where AI runs**.

It does not yet answer the deeper question.

THE MISSING LAYER

Europe's sovereign infrastructure initiative — federated cloud nodes, telco-edge networks, distributed compute across 13 countries — addresses the physical and connectivity layer. It gives Europe control over the pipes through which data and AI workloads travel.

But it does not govern what happens inside organisations once AI models are deployed on that infrastructure. When a European enterprise uses any frontier AI model — whether on sovereign European infrastructure or not — that model fuses intelligence and memory. It accumulates organisational patterns, infers sensitive relationships, and operates within capability limits defined by the vendor. The enterprise cannot audit what the model remembers, cannot constrain what it retrieves, and cannot prove to a regulator that its AI governance meets the obligations of the EU AI Act — enforceable from **August 2026 with fines of up to €35 million or 7% of global turnover**.

This is not a policy gap. It is a **structural architecture gap**. No infrastructure investment — cloud, edge, or network — can solve it alone.

**"AI sovereignty is not secured at the infrastructure layer.
It is secured at the memory layer."**

CONSTITUTIONAL MEMORY • BLACKVAULT™ ARCHITECTURE

THE THREE LAYERS OF COMPLETE EUROPEAN AI SOVEREIGNTY

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Frontier AI Models

Claude • GPT • Gemini • Llama

WHAT AI CAN DO

The capability layer already exists and will continue to evolve rapidly. Europe does not need to build its own foundation models to achieve AI sovereignty. It needs to govern how those models behave inside European organisations.

The models are not the problem. The absence of governance over their memory and data access is.

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Constitutional Memory • BlackVault™

Governed AI Memory Architecture

HOW AI IS ALLOWED TO BEHAVE

■ THE MISSING LAYER

Constitutional Memory provides the governed memory architecture that sits above Europe's sovereign infrastructure and below any AI model. It is the trust and compliance layer that no infrastructure project — cloud, edge, or network — can provide on its own.

- **Zero-transmission data custody** — corporate data never leaves enterprise infrastructure under any circumstances
- **Governed memory access** — AI can only retrieve and act upon what is explicitly permitted by governance rules
- **Full auditability** — every memory access is logged, governed, and constrained for regulatory proof
- **Model-agnostic architecture** — works with any frontier model simultaneously: Claude, GPT, Gemini, Llama
- **EU AI Act compliant by design** — structural compliance, not contractual assertion or post-hoc documentation

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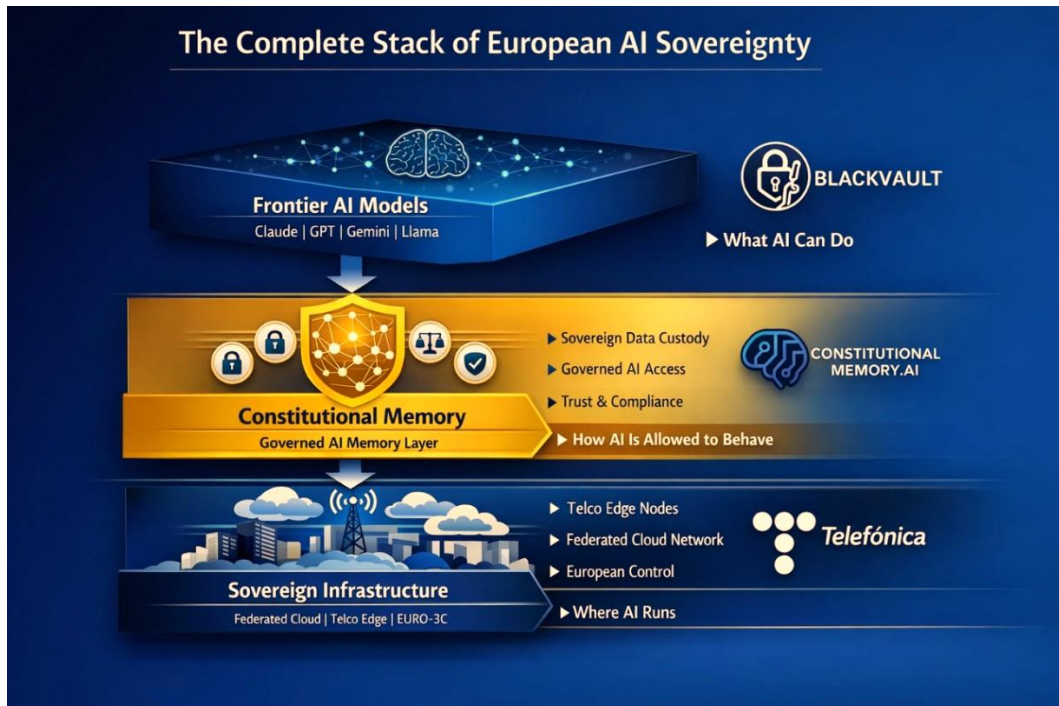
Sovereign Infrastructure • EURO-3C

Federated Telco-Edge-Cloud • Led by Telefónica

WHERE AI RUNS

Europe's funded, production-ready initiative: 70+ edge and cloud nodes across 13 countries, 87 consortium members, €75 million from the European Commission's Horizon Europe programme. Telefónica leads the consortium. Partners include Capgemini, Deutsche Telekom, Vodafone, Orange, Thales, BT, Ericsson, Nokia and over 60 further organisations across the European digital value chain.

EURO-3C secures **where AI runs**. It does not — and cannot — govern **how AI behaves** inside the enterprises that use it.



WHY THIS MATTERS NOW

<p>€75M</p> <p>HORIZON EUROPE FUNDING FOR EURO-3C INFRASTRUCTURE</p>	<p>87</p> <p>CONSORTIUM MEMBERS ACROSS 13 EUROPEAN COUNTRIES</p>	<p>Aug 2026</p> <p>EU AI ACT FULL ENFORCEMENT — FINES UP TO €35M OR 7% TURNOVER</p>
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"The European Commission strongly promotes secure digital communication infrastructures made in Europe, aiming to make the most of telco-edge-cloud convergence, with and for AI. The EU-funded project EURO-3C federates the efforts of a very large number of European players around a common goal: to build a secure and sovereign convergent communications landscape, for the benefit of industrial sectors supplying and using technology, and for society at large."

— Renate Nikolay, Deputy Director General, European Commission • MWC26, Barcelona, March 2026

That ambition is correct and necessary. But sovereign infrastructure without sovereign AI governance leaves the most sensitive layer unprotected. An enterprise can run its AI workloads on European servers and still expose every sensitive prompt, document, and organisational decision to a model with **unbounded memory inference, vendor-defined capability limits, and no auditable governance trail.**

The EU AI Act requires provable data-sovereignty controls, auditable memory governance, and demonstrable risk-mitigation processes. It creates legal obligations. It does not provide the technical implementation layer that fulfils them. That layer does not yet exist at scale in the European market. The window to build it — and to build it as a European-owned standard rather than a US-vendor solution — is open now and not indefinitely.

THE STRATEGIC OPPORTUNITY

The organisations already committed to EURO-3C — among them Telefónica, Cppgemini, Deutsche Telekom, Vodafone, and Thales — are precisely the organisations that understand European digital sovereignty as a strategic mission, not merely a compliance exercise. They have already demonstrated willingness to co-invest in shared European infrastructure at continental scale.

Constitutional Memory is seeking a founding Sovereign AI Infrastructure Partner to lead BlackVault™ development, co-design the European AI-Governance Alliance framework, and complete the full sovereignty stack that EURO-3C has begun to build. The governance layer is the natural next step in an investment thesis these organisations have already committed to.

Only when all three layers exist does Europe achieve true AI sovereignty.

Where AI runs — EURO-3C is building this now, led by Telefónica with 87 consortium partners.

How AI is allowed to behave — Constitutional Memory provides this layer. It does not yet exist at scale.

What AI can do — the frontier models already exist and will continue to evolve.

**Europe cannot build sovereign AI
without sovereign AI memory.**



www.constitutional-memory.ai