AI CONTROL

CONTROLCORE · THE HUMAN-AUTHORITY CONTROL PLANE

Human authority over autonomous intelligence.

AI may be autonomous in operation, but autonomy does not create authority. AI CONTROL puts a human-authorized decision in front of every consequential action an agent, copilot or robot tries to take, and writes the result to an audit trail that cannot be quietly edited.

aicontrol.si | Pitch deck | How ControlCore works | Developer docs

FOUR RULES, ENFORCED IN CODE

Authority is granted. Never assumed.

No authority by default

An agent nobody registered is an agent nobody authorized. Unknown agents are blocked.

Identity is not authorization

Knowing who an agent is says nothing about what it may do. Capability is not permission either.

Revoked stays revoked

A revoked or quarantined agent is blocked everywhere, at once, including at the edge.

High impact needs a human

Production writes, robot motion, physical-world actions and funds always wait for a person. Policy can only make a decision stricter.

THE CONTROLCORE PIPELINE

Every request runs the same gauntlet

One decision endpoint sits between an AI system and the thing it wants to touch. Each stage can only narrow what the previous one allowed.

REQUEST

An agent, copilot or robot planner asks to act.

IDENTITY VERIFICATION

Who is asking, proven with hardware-backed or signed identity, not a name in a header.

CAPABILITY CHECK

Can this agent even perform this class of action? Unregistered capability ends here.

POLICY EVALUATION

Versioned, signed, auditable rules decide what is permitted for this agent on this system.

CONTEXT & RISK

Time, target, blast radius and live telemetry turn into a risk score that feeds the policy.

HUMAN APPROVAL

Anything high-impact pauses for an authorized person. The approval itself is signed and logged.

VERDICT

ALLOW
Proceed through the execution gateway.

LIMIT
Proceed with a narrower scope or rate.

QUARANTINE
Isolate the agent, keep the evidence.

BLOCK
Deny, and raise it to the SOC.

Then the execution gateway carries out exactly what was approved, and an append-only audit record keeps the whole chain of reasoning.

THE PLATFORM

One control plane, many enforcement points

ControlCore The decision pipeline above, as one authorize endpoint.	**AI Firewall** Inspect and enforce every AI request in flight.	**Policy Engine** Versioned, signed, auditable authorization policy.
Risk Engine Contextual risk as an input to policy, not an afterthought.	**Communication Intelligence** See AI-to-AI traffic, and decode machine language humans cannot read.	**AI Passport** Every agent's identity and authority, committed and checkable.
Trust Chain on Solieum Decisions, identities and policies anchored on a Solana Layer 2. Verify any proof by ID.	**Robot Gateway** Authorized commands only reach physical systems.	**Edge** Local enforcement that keeps working through an outage.
SOC Security operations built for autonomous systems.		

WHERE IT APPLIES

Wherever AI touches something that matters

- Enterprise AI & copilots
- Autonomous agents
- Robotics
- Humanoid systems
- Industrial systems & OT
- Cloud infrastructure
- Financial & digital asset infrastructure
- Data centers
- Healthcare
- Government & critical infrastructure
- AI research labs
- Multi-organization AI governance

WHY IT BELONGS AT A BLOCKCHAIN FORUM

Prove every decision

The Trust Chain anchors AI identities, policies and control decisions on Solieum, the Layer 2 for Solana. Anyone holding a proof ID can check who authorized what, and when, without trusting the operator's word.

Registries
Agents, policies and approvers, committed.

Anchoring
Decision records rolled up and settled on Solana.

Verification
Paste a proof ID into the Proof Explorer and check it yourself.

● AI Control Core · stage: Development

Every feature on aicontrol.si carries a stage label: Concept, Research, Development, Testnet-Pilot or Planned. Nothing here is offered as production infrastructure yet.

THE CHAIN UNDERNEATH

On Solieum, a failed transaction costs nothing

Solieum, the Layer 2 the Trust Chain anchors on, runs a transaction when it is submitted and refuses one that would fail, before it is charged. A worked example: two buyers, one item left, and Alice sends just before Bob.

ON SOLANA

1. **Send.** Both are built against "one item left" and both pass simulation.
2. **In flight.** A leader neither picked orders them among everyone's traffic.
3. **Execute.** Alice's buys the item. Bob's runs next: sold out.
4. **Result.** Both land in a block. Bob's is recorded as failed, and he paid the fee.

Bob: failed on chain, fee paid

ON SOLIEUM

1. **Alice sends.** Her transaction runs against the block being built. It succeeds, is admitted, and she gets a receipt.
2. **Bob sends.** His runs against that same block, Alice's purchase included: sold out.
3. **Refused.** Turned away at once with the program's own error. No position, no receipt, no block.
4. **Seal.** The block is sealed and Alice's succeeds again, exactly as at admission.

Bob: told no in milliseconds, 0 SOL

Bob still does not get the item; losing just costs nothing. Order of events only, no timings claimed. This is Solieum's admission rule (ADR-0014), built and running on Solieum devnet. It is not a claim about AI CONTROL, whose Trust Chain is at stage: Development.

DIGITAL BROCHURE

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Save Trees · Save your content

https://solieum.com/brochures/ai-control

AI CONTROL · © 2026 AI CONTROL · Intelligence should not mean unlimited authority.

aicontrol.si Architecture Developer platform System status

MORE FROM THE BOOTH

Solieum
Layer 2 for Solana. Fast off-chain, final on Solana.

Solve · Cradle
Write a contract once, ship it to every major chain.

Solieum pitch deck
38 slides, or a 16-slide summary. Also as PDF.

AI CONTROL pitch deck
12 slides. Also as PDF.

Solve · Cradle pitch deck
12 slides. Also as PDF.

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