

Make operational data AI-ready without losing its context & structure.

Context-preserving data layer for enterprise AI

Preserve context. Run the workflow. Reconstruct the usable result.

SOURCE DATA → AI-READY WORKING STATE → BUSINESS-READY OUTPUT

TEST ONE OPERATIONAL WORKFLOW →

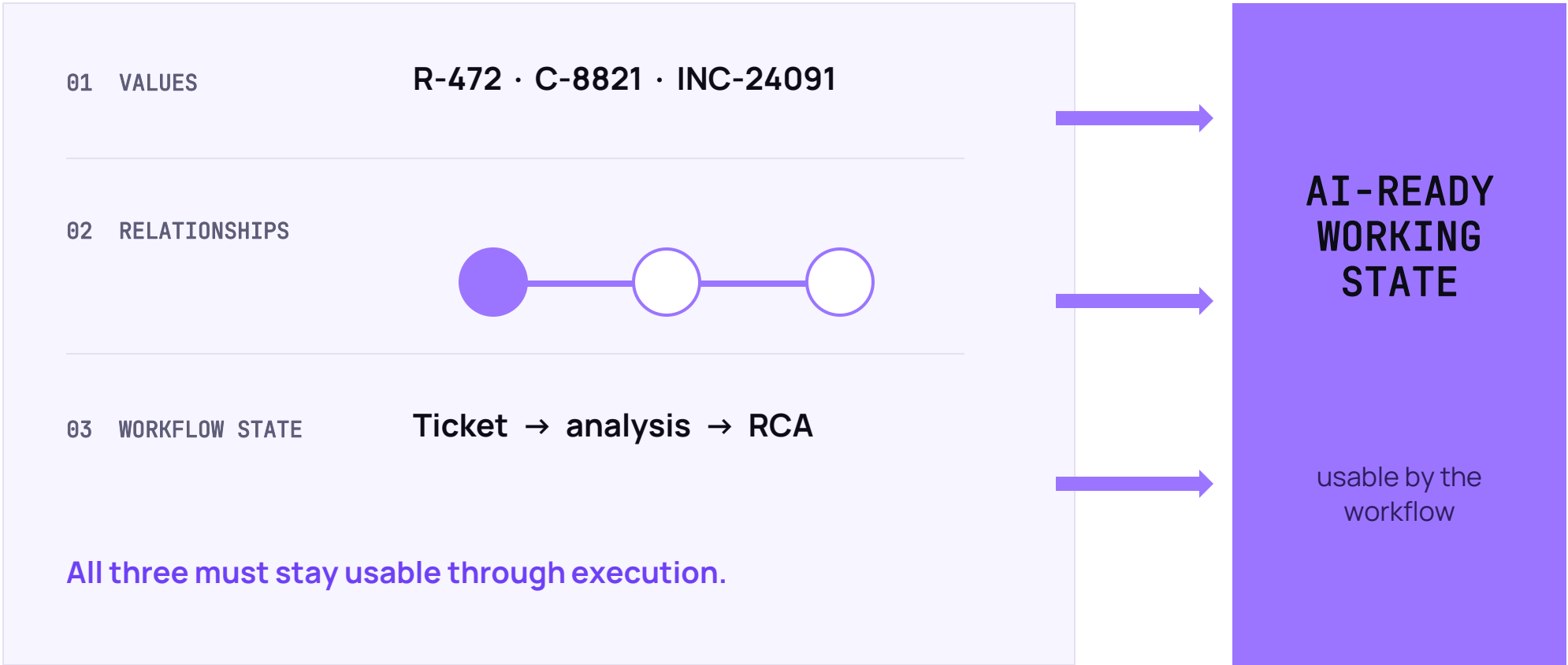
THE MODEL
IS READY.

THE DATA
ISN'T.

Operational records are more than values.

AI execution also needs their relationships and workflow state.

AN OPERATIONAL RECORD HAS THREE LAYERS



The missing layer is a usable data state.

Masking changes values. Capsule preserves the record.

AI needs the relationships between records — tables, sequences, references and entity consistency.

FIELD-ONLY OUTPUT

Ticket CS-4203

DEVICE

CIRCUIT

ALARM

LINKED RCA

Cannot resolve reference

The difference is data utility: the operational record remains usable.

CONTEXT-PRESERVING WORKING DATA

Ticket [TICKET_A]

DEVICE

[DEVICE_A]

CIRCUIT

[CIRCUIT_A]

ALARM

[ALARM_A]

LINKED RCA

All references remain aligned

Six workflows. One data usability problem.

CONTEXT is part of the data.

Identifiers, rules, sequences, topology and internal business logic that the workflow still needs.

01



Telecom / NOC

Circuit IDs · device IDs · alarm sequences

02



Network operations

Alert chains · IOCs · CMDB · vulnerabilities

03



Finance / Insurance

Claim logic · pricing rules · portfolio exposure

04



Legal / Contract

Obligations · negotiation memos · counterparty strategy

05



OT / CPS

PLC codes · sensor readings · asset inventory

06



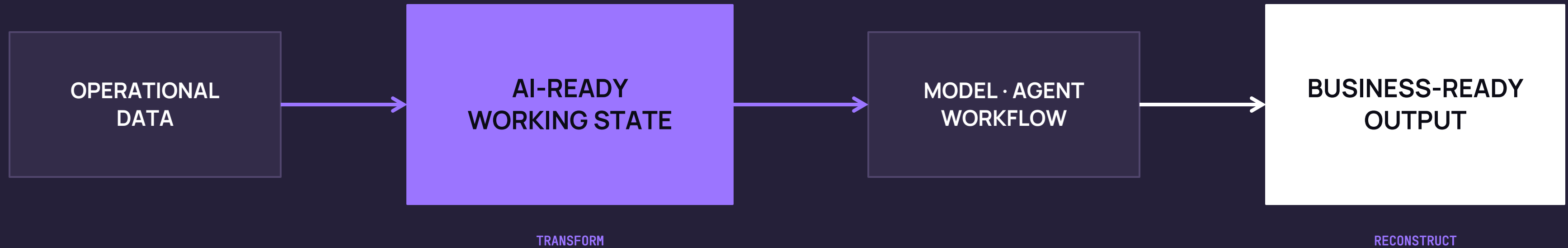
Public / Defense

Mission codes · unit codes · restricted locations

The common problem is lost context — not missing fields.

A context-preserving data layer for AI.

It turns operational records into an AI-ready working state, runs the workflow, and reconstructs a usable result.



Original values + internal mapping stay in the customer-controlled environment

NOT a data-cleaning tool · NOT a synthetic-data generator · NOT a model or chatbot · NOT a rip-and-replace

Reconstruction comes first.

WORKFLOW OUTCOME

01

Business-ready reconstruction

The result returns in the workflow, ready to use.

If a person rebuilds the answer, it was never automation.

ENABLE THE RUN

02 **Context definition**
Define enterprise-specific fields and relationships.

03 **Structure-preserving**
Keep schemas, sequences and references usable.

04 **Enterprise environment execution**
Run inside the stack already in place.

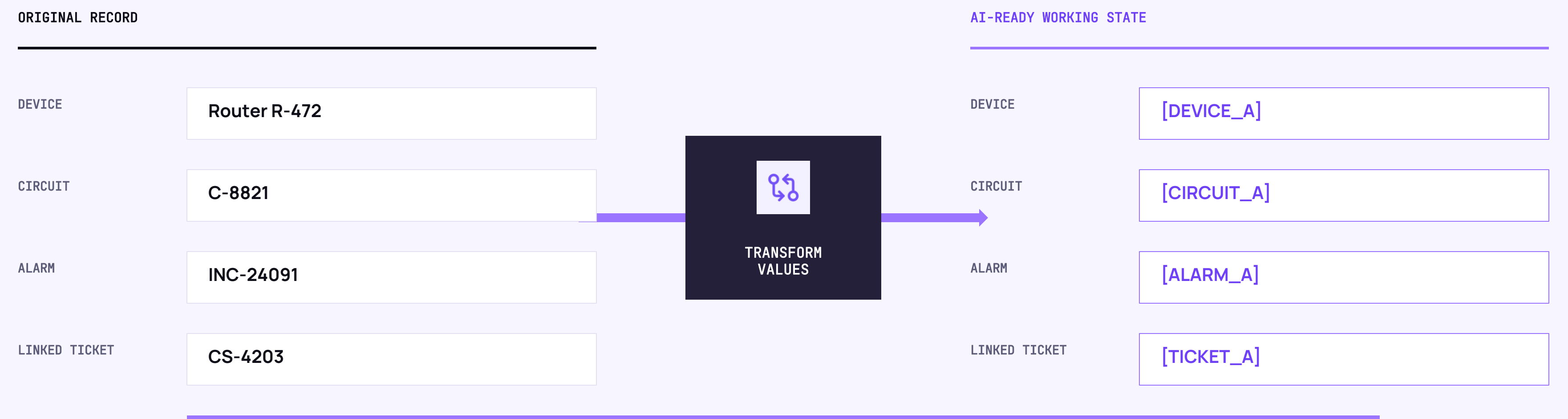
OPERATE THE RUN

05 **Traceable evidence**
Data flow · usage records · run artifacts

06 **Versioned data rules**
Record what was classified, when

Keep the record usable.

The values change. The schema, sequence and cross-references do not.



Same four relationships. Same order. Same cross-reference path.

Schemas · document hierarchy · alarm sequences · entity consistency

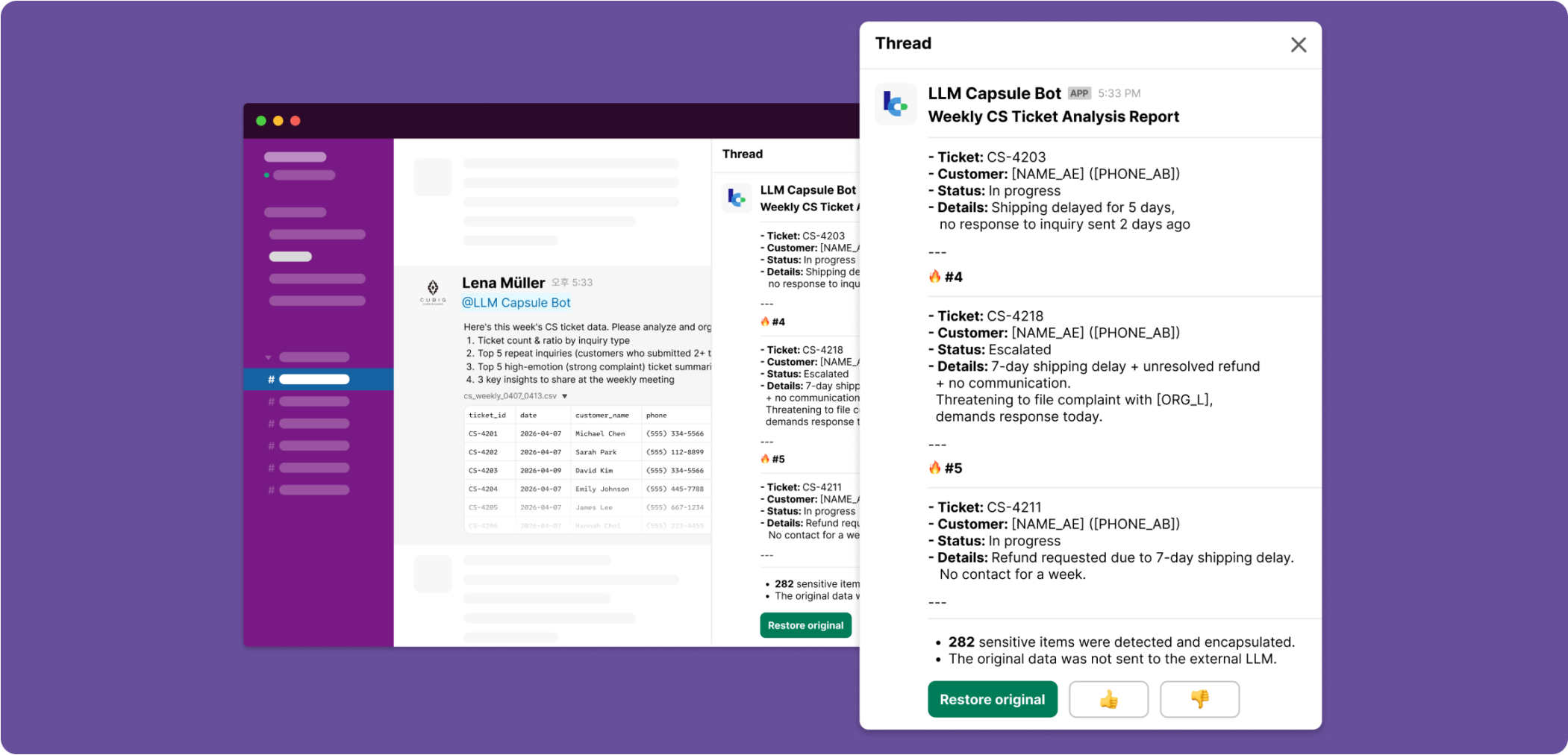
Your stack stays. Capsule plugs in.

ATTACH

- API & SDK
- Connectors
- Plugins
- Reverse proxy

DEPLOY

- On-prem · VPC
- DMZ · Air-gapped



Existing workflow, with Capsule attached.

No replacement stack shown.

If a person rebuilds the answer, it was never automation.

FIELD-ONLY OUTPUT

“*** customer’s *** circuit shows *** alarm”

Manual rework required

LLM CAPSULE

“Router R-472’s circuit C-8821 shows alarm INC-24091.”

READY TO SHIP

Projects / Common Patterns in Critical Level Logs

Please analyze the common patterns in critical level logs. Identify the equipment type that is most frequently impacted, and check whether a warning (warn) log was observed before the critical event occurred.

Critical Event Pattern Analysis

1. Summary of Critical Events (Total 6)

Timestamp	Equipment Type	Region	Signal (dBm)	Packet Loss (%)
11:53:45	radio-unit	REGION_A	-102	15.8
11:52:30	5g-baseband	REGION_B	-103	22.1
11:50:45	user-plane	REGION_C	-104	18.4
11:49:15	5g-baseband	REGION_D	-105	25.3
11:47:45	user-plane	REGION_A	-106	19.2
11:46:15	5g-baseband	REGION_E	-107	21.7

2. Request for Analysis

Please enter the task you would like to request

Critical Level Log Pattern ...

Raw Data / Processed Data

GPT-5

Critical Event Pattern Analysis

1. Summary of Critical Events (Total 6)

Timestamp	Equipment Type	Region
11:53:45	radio-unit	REGION_A
11:52:30	5g-baseband	REGION_B
11:50:45	user-plane	REGION_C
11:49:15	5g-baseband	REGION_D
11:47:45	user-plane	REGION_A
11:46:15	5g-baseband	REGION_E

2. Equipment Type Distribution

Equipment Type	Count	Share	Remarks
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Business-ready output

NOC RCA

CLAIM MEMO

CONTRACT REVIEW

INCIDENT SUMMARY

You define what the workflow must preserve.

Operational context goes beyond standard fields.

ENTERPRISE CONTEXT

- Circuit IDs

– Contract terms

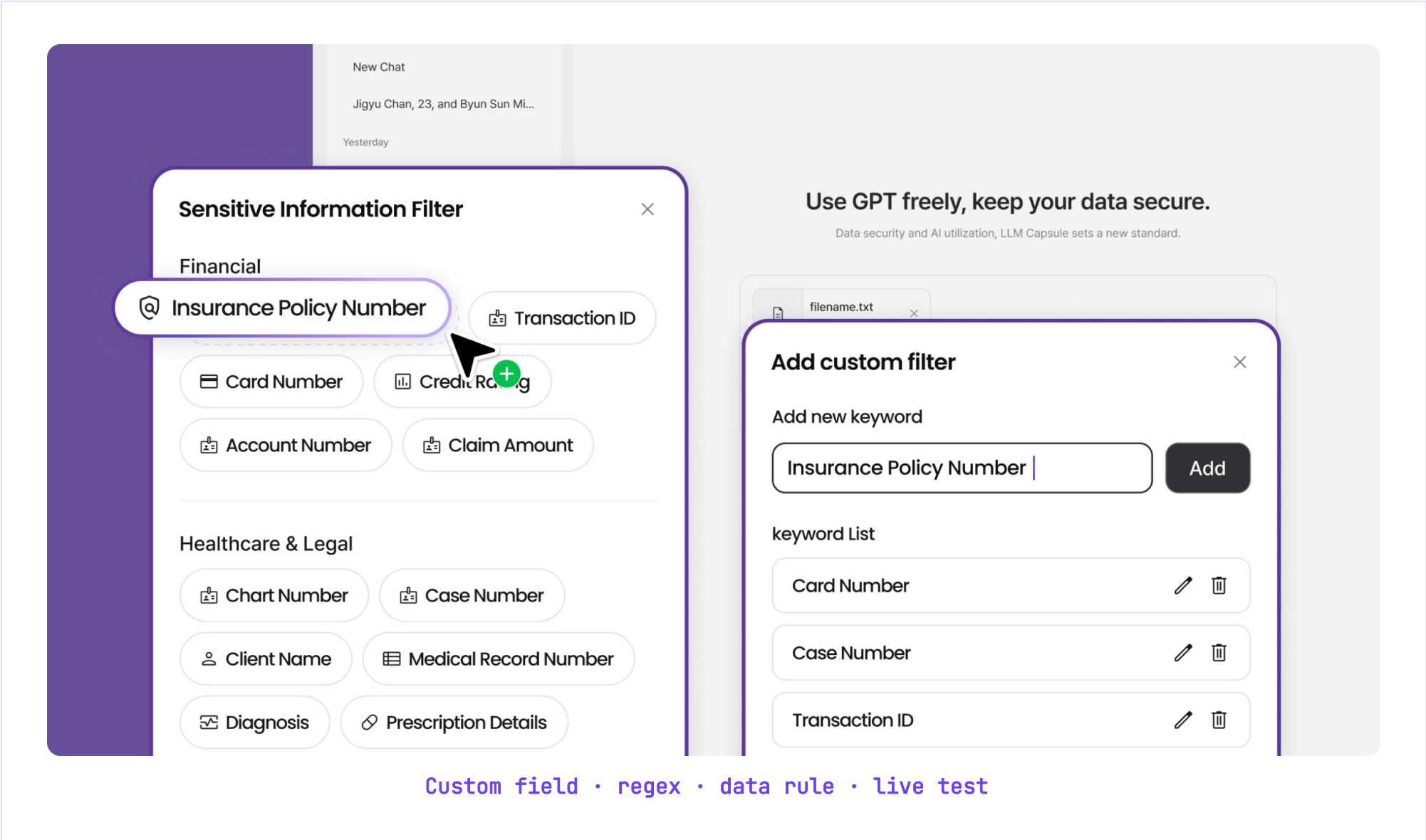
– Project codes
- Alarm sequences

– Pricing logic

– Internal KPIs

STANDARD FIELDS

- Name / ID
- Account / Card
- Email / Address



The data state ships with its evidence.



Internal mapping stays local

The working data state reaches the model path; operational values reconnect inside the workflow environment.



Run records / handoff

Prompts, rules and responses are linked, timestamped and exportable to enterprise tools.



Versioned data rules

Definitions, quotas and versioned rules stay reviewable alongside the run.

EVIDENCE INSIDE THE PRODUCT

Usage status

All Organizations/Users

All Types

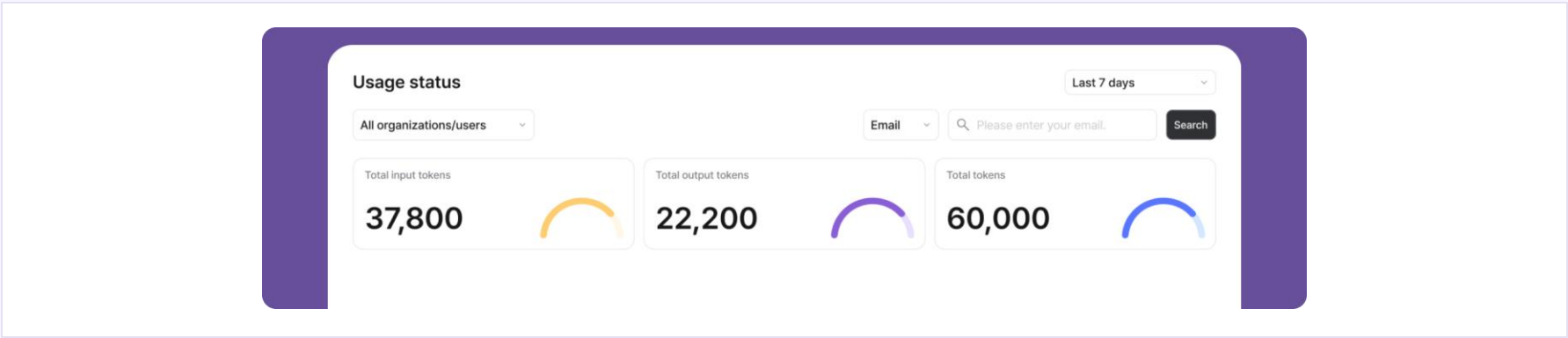
All Results

Email

Please enter your email.

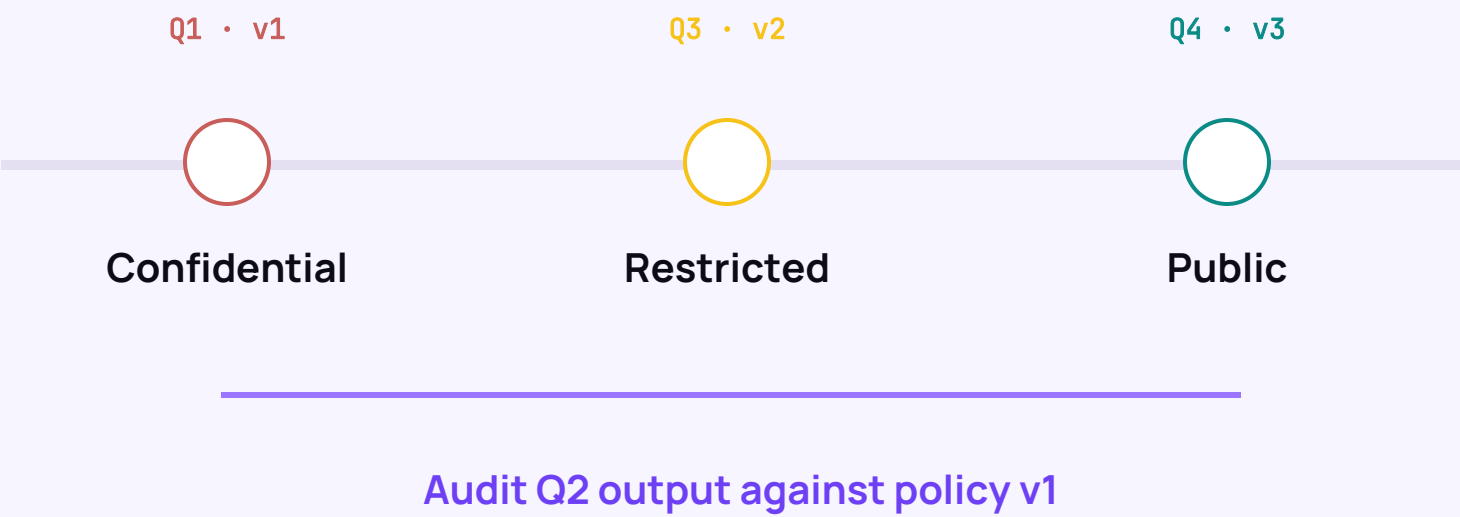
Search

No	Date	User	Organization Name	Permission	Type	Details	IP Address	Result	Details
100	2027-07-17 13:10:11	Kim Jisoo jisoo@company.com	Data Analys...	Organization Admin	Admin Logout	Logout	168.01.33.50	Success	-
99	2027-07-17 13:10:11	Jisoo Kim jisoo@company.com	Data Analysis Team	janization Administra	Admin Login	Login Successful	192.168.1.1	Success	-
98	2027-07-17	Jisoo Kim	Data Analysis Team	Developer User	Enter Document	File upload Successful	102.168.1.1	Success	View

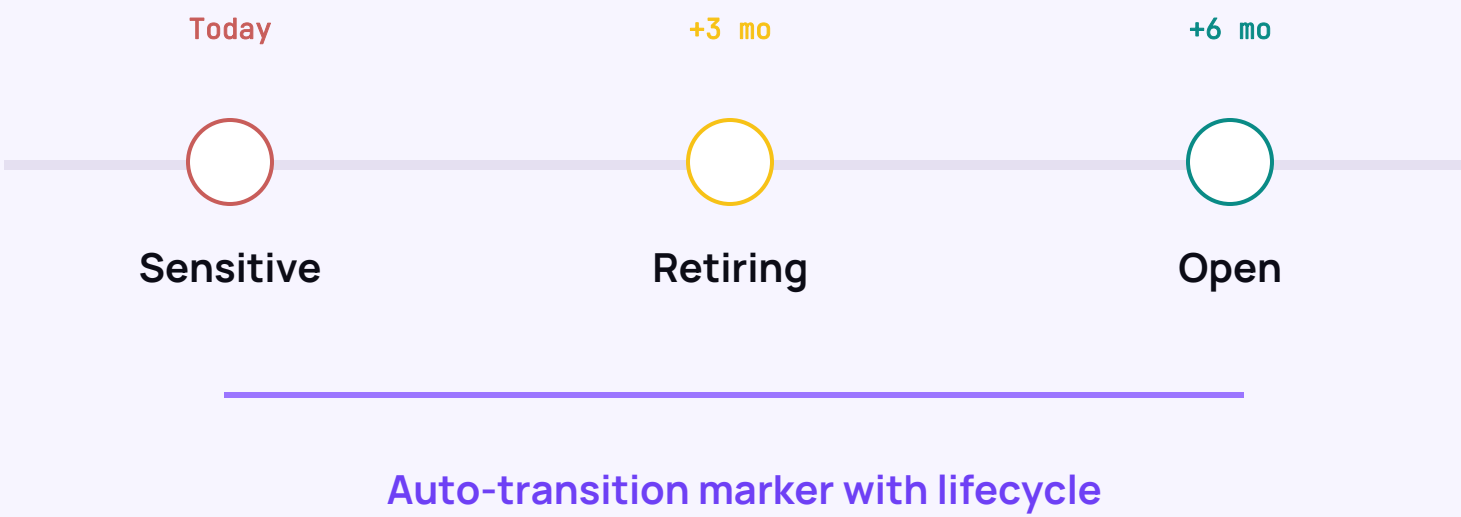


Data definitions change. The run stays reproducible.

M&A counterparty name



Circuit ID C-8821



Versioned data state

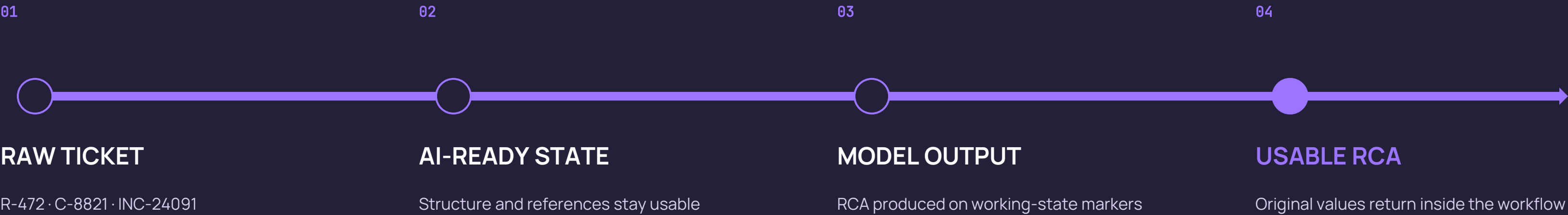
A result remains attributable to the data definition and version that produced it.

Continuous lineage

Every rule change becomes a logged data-state event.

AI works on the data state. The workflow gets the result.

ONE OPERATIONAL RECORD · FOUR STATES



RESULT IN THE WORKFLOW

“Router R-472 on circuit C-8821”

returns in the final RCA after model execution on the AI-ready state.

Operational data, now usable in production.

Figures are preserved from the supplied deck and attributed to internal project reports.

-70%

MANUAL REVIEW TIME

DB Insurance · AI-driven claims

Models run on capsule data; the finished result is reconstructed for the workflow.

1/300

COST VS. IN-HOUSE PRIVATE-LLM BUILD

Public-sector LLM · 0.09s round-trip restore

1,000+

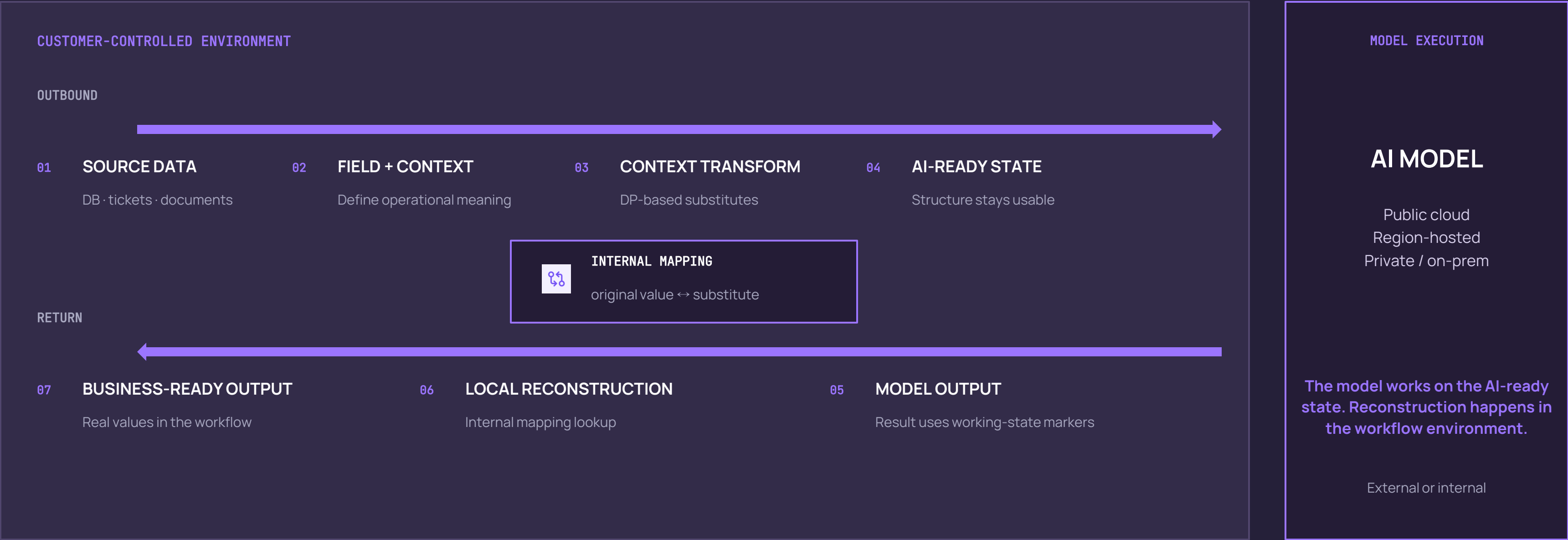
STRUCTURE-PRESERVING DATA SETS

Ministry of Defense · local drafting with a full record

Source: internal project reports, as labeled in the supplied draft.

A working data state goes out. A usable result comes back.

The internal mapping reconnects operational values after model execution.



One data pattern works across four workflows.

Transform → process → reconstruct across four operating contexts.



Finance & insurance

DB Insurance · Kyobo Life · IBK Bank

WORKFLOW BLOCK

Manual review slowed AI-driven claims.

OUTCOME

-70% manual review; results reconstructed for the workflow.



Defense

Ministry of Defense (ROK)

WORKFLOW BLOCK

Operational documents could not use an external model path raw.

OUTCOME

Local drafting plus 1,000+ structure-preserving data sets.



Healthcare & legal

EUMC Hospital · Shin & Kim

WORKFLOW BLOCK

Records that could not move blocked AI assistance.

OUTCOME

Structure-preserving processing for regulatory review.



Telecom & networks

Deutsche Telekom · Claroty

WORKFLOW BLOCK

Tickets carried topology and operational identifiers.

OUTCOME

Capsule-data analysis; RCA ready for handoff.

Measured in production. Proven across workflows.

0.12s

Processing latency



99%+

Reconstruction



98%

Output similarity



near-100%

Fields identified



OPERATING CREDENTIALS

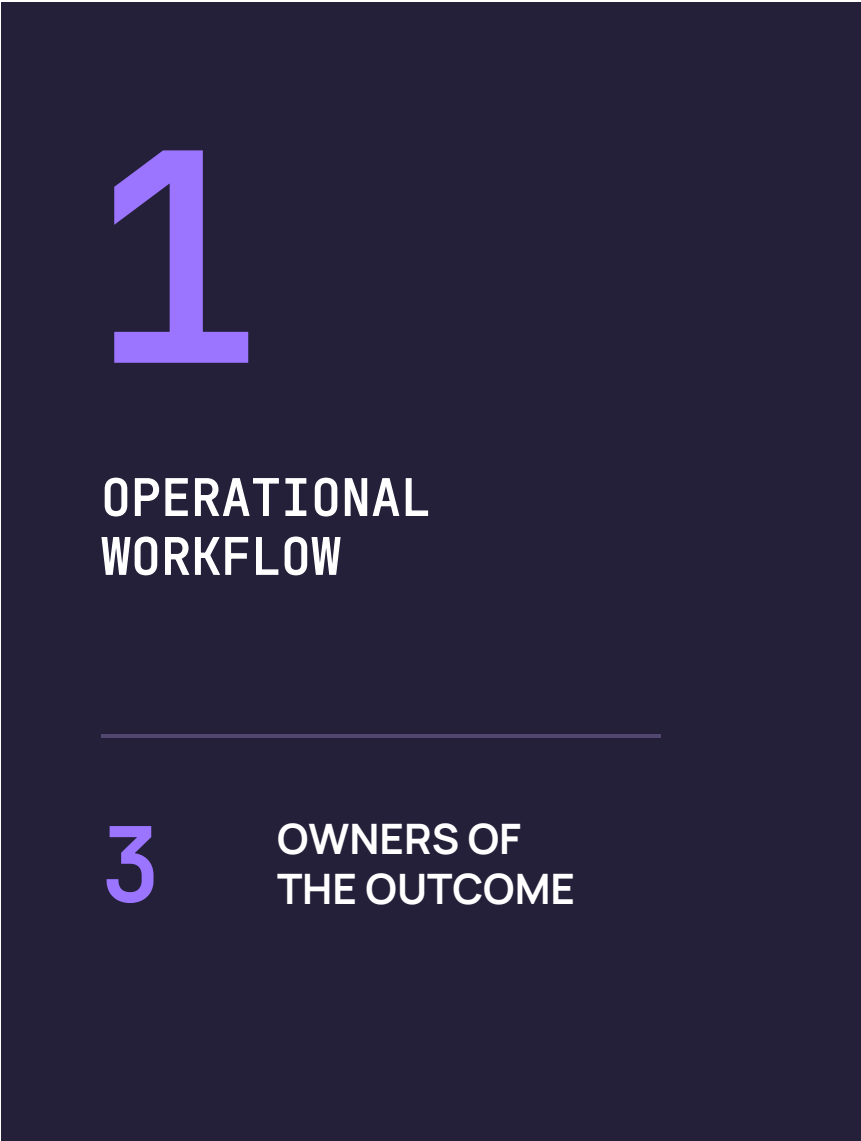
ISO 27001 · ISO/IEC 42001 · GS Certified
KISA Verified · PPS Innovative

KEY CUSTOMERS

Deutsche Telekom · Claroty · DB Insurance · Kyobo Life
IBK Bank · Shin & Kim · EUMC · Chungnam State Univ. · JDC

Source: internal project reports, as labeled in the supplied draft.

One workflow. Three owners of the outcome.



- 01

AI / DATA LEAD

Can the workflow use operational data?

The working data state preserves the context the AI task needs.
-
- 02

CIO / CTO

Can this become reusable infrastructure?

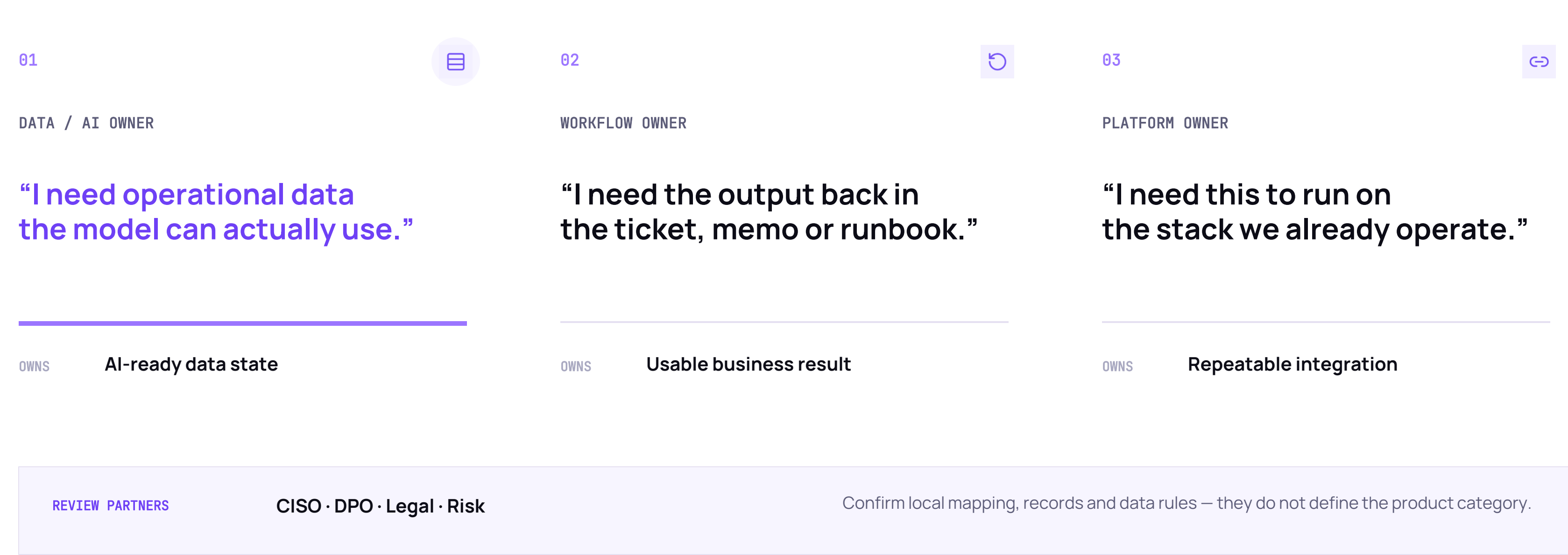
The data layer plugs into the stack and repeats across workflows.
-
- 03

OPERATIONS / DOMAIN OWNERS

Does the work product come back ready to use?

Real values return to the ticket, memo or incident workflow.

The data owner drives. The workflow owner proves value.



Bring one workflow that stalls on unusable data.

One ticket. One document. One runbook.

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30 DAY

DATA WORKFLOW PROOF OF VALUE

See the working data state, the usable result and
the evidence needed to scale.