

# Orchestrate, Secure & Scale Enterprise GenAI Architecture.

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[syrtis.ai](https://syrtis.ai)

# Background



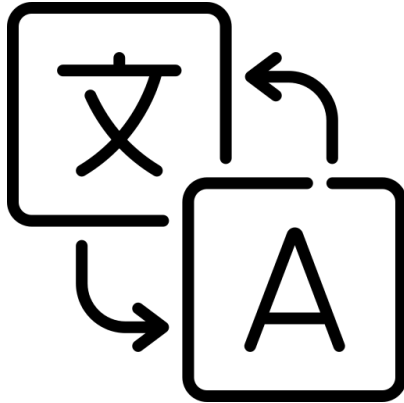
- PhD in chemistry turned entrepreneur
- Co-founder of The Photo Academy in 2011, leader in photography education (live, face-to-face courses, worldwide, up to yearly 1M€/6K clients pre-covid)
- Specialist of processes digitization by automation and collaborative tools
- Leading an R&D project, publicly funded by Brussels' **Innoviris**, on *genAI*

→ towards an innovative new product: **Syrtis**

**Syrtis is the control-plane for enterprise AI — a unified platform to design, test, deploy, and monitor AI services with the reliability of software engineering.**

## Survey

1. You need to translate a professional email from Dutch to French
2. You're NL but speak also FR



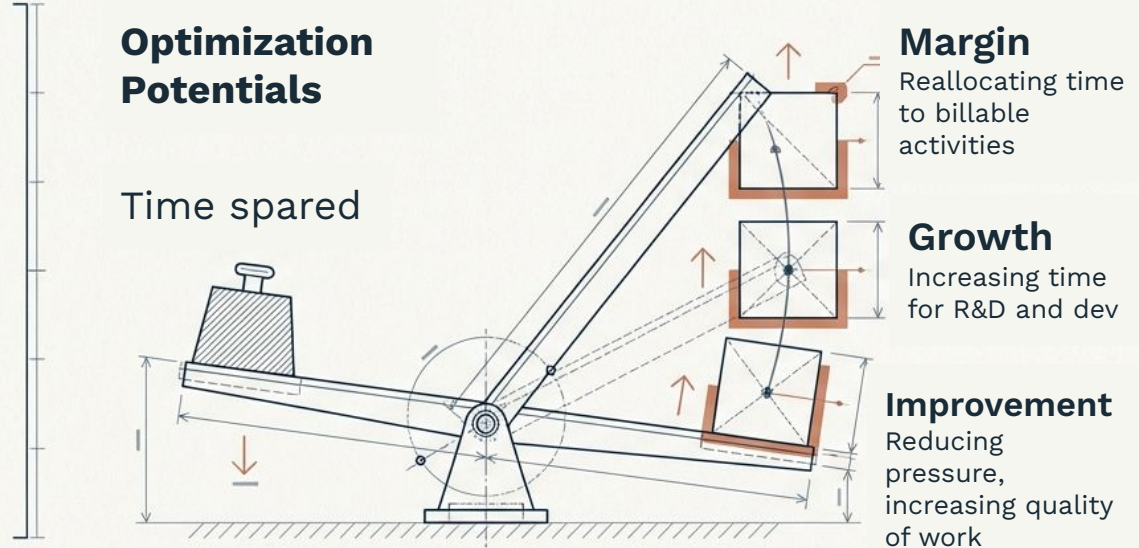
### How do you proceed?

- A.** You spend 2 hours making sure it's neat and call you FR-speaking brother-in-law for a proofread.
- B.** You use Google Translate or DeepL
- C.** You use ChaGPT or alike

# **Hybridising skill flows with AI**

# Time is the Ultimate Strategic Asset.

In an economy where 80% of the value comes from human work, time is a rare asset.




Contexte


Context: The COVID era proved digital levers reduce costs, but only if the automation strategy is sound


# The Automation Landscape: Trapped Between Chaos and Rigidity

## The Fragmented Way

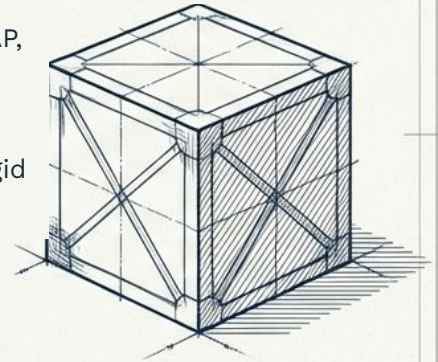



 SaaS tools, platforms, n8n

 Isolated silos


 Result: High Maintenance, fragility, and slow degradation


## The Centralized Way



 Heavy ERPs (SAP, Odoo)

 Slow deployment, rigid updates

 Not designed for AI

  
**The Hidden Cost**  
Time spent tinkering tools

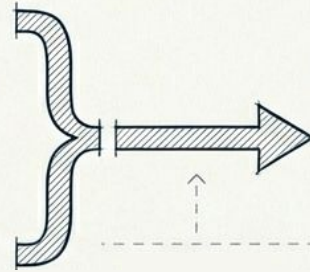
# We Are Hitting the Wall

95%

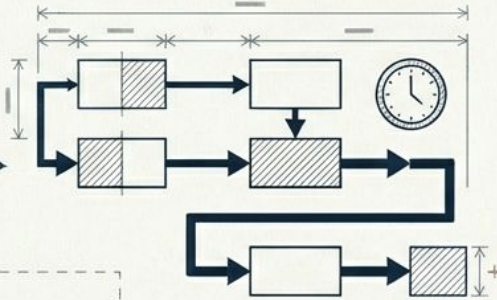
## Failure Rate in Enterprise AI Experiments

(source: MIT Report on 2 years of AI Experimentation)

**GenAI (LLM)**  
Probabilistic,  
Statistical &  
Creative



We are trying to force  
chaos into order

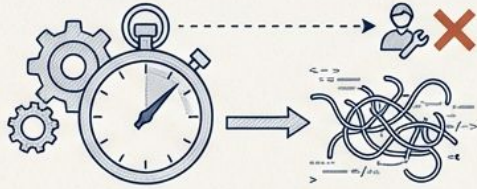


**Business needs**  
Consistency,  
Reliability and  
Auditability

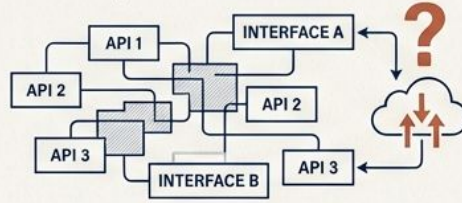
Element	Color	Shape
Flowchart	Hatched	Rectangle
Arrow	White	Arrow

# Six Structural Risks of GenAI in Automation

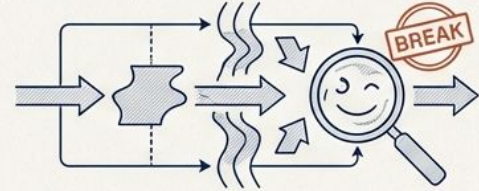
**01** **Time loss**  
Endless supervision and tinkering.  
Agent management exceeds value



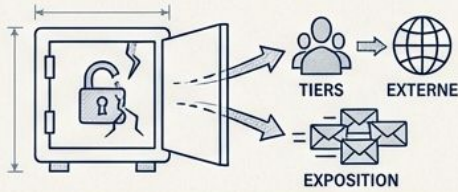
**02** **Complexity**  
Adding noise to saturated IT. More arms without brain



**03** **Instability**  
Hallucinations break workflow trust. Inconsistent outputs.



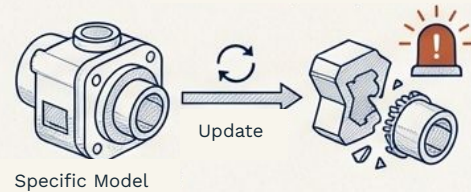
**04** **Privacy**  
Data leakage via APIs.  
Dependence on external model providers



**05** **Security**  
The Black Box problem. Opaqueness prevents reasoning audits

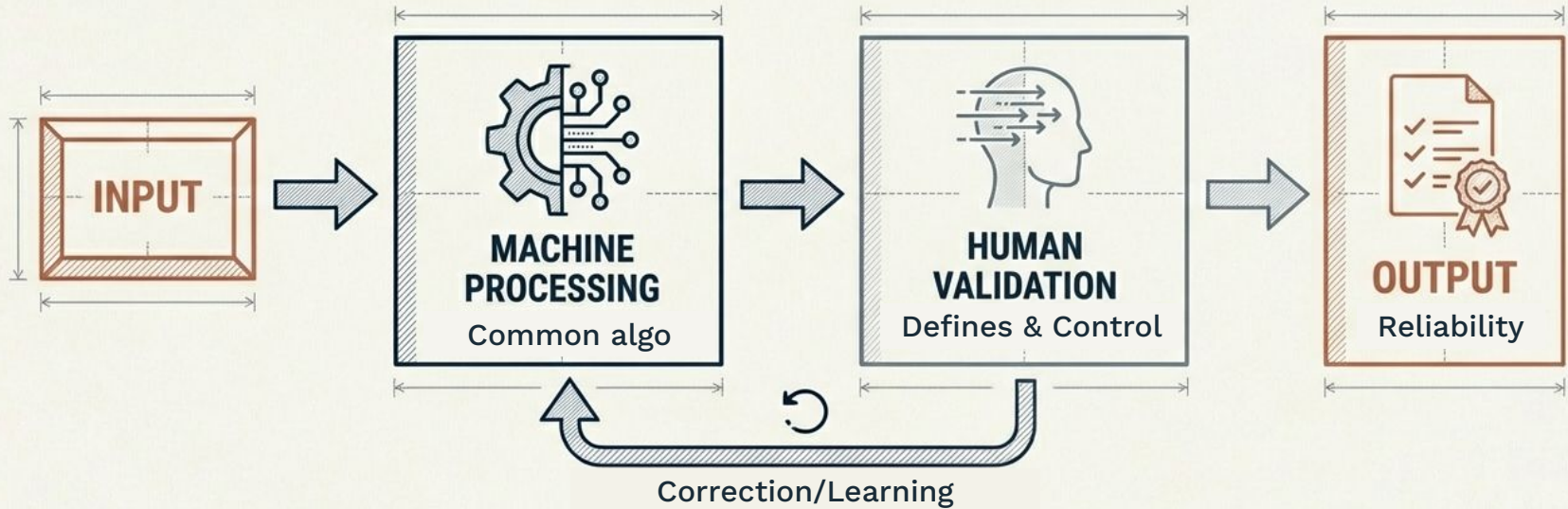


**06** **Tech dependency**  
Updates of specific models



## Methodology: Skill Blending Process (SBP)

Rethink workflows as hybrid processes (*hybrid intelligence systems*)



SBP articulates human skills and compute skills along a common algorithm, defined **WITH** the operators

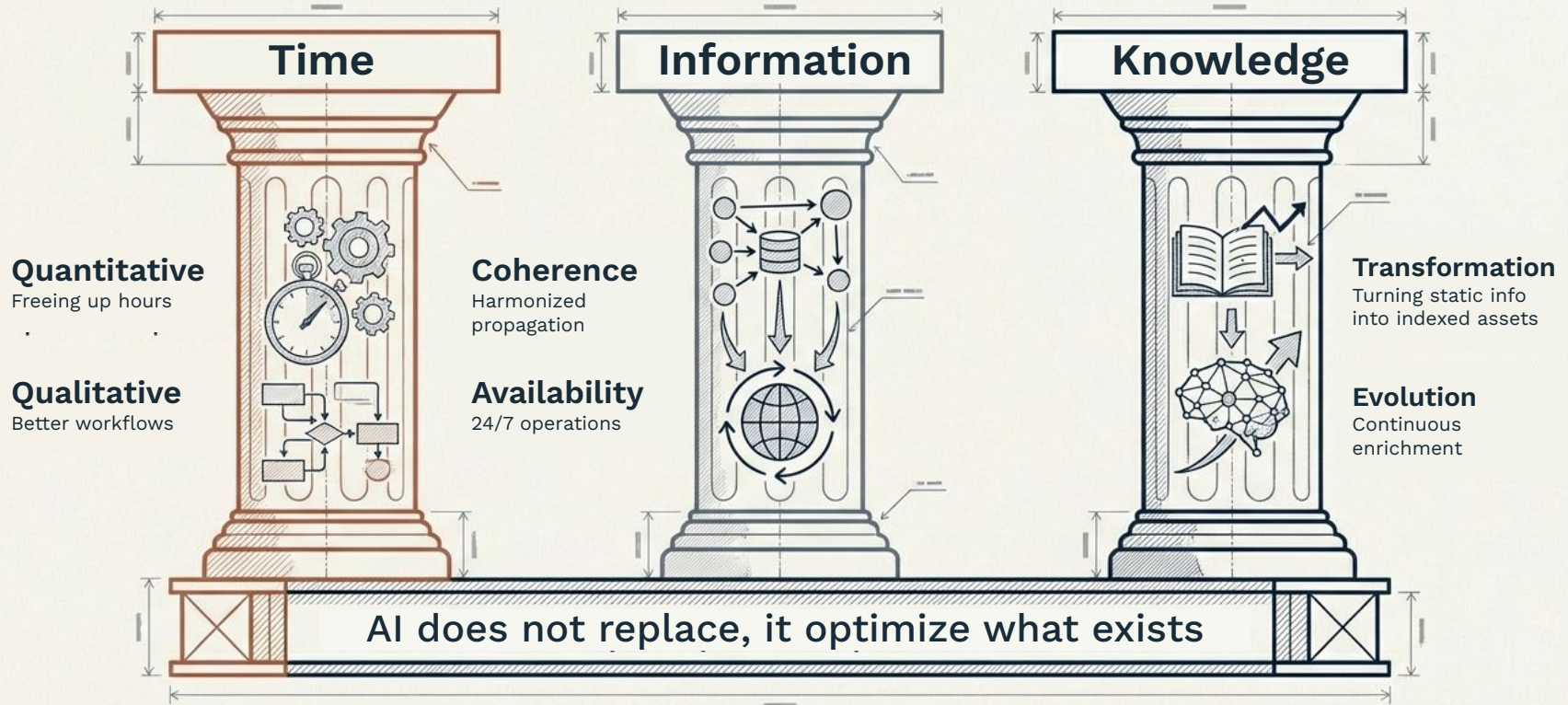
Example of Hybrid Intelligence System : Luke + R2D2



**x**



# The SYRTIS Vision: Optimizing Three Key Resources



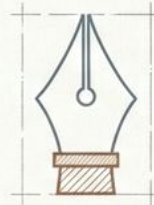
# Business Model: Support services agency



## Value proposition

- Fast Delivery (weeks)
- Quality level: experienced teammate

## Domains



Support  
Data  
Interpretation



Admin  
Support



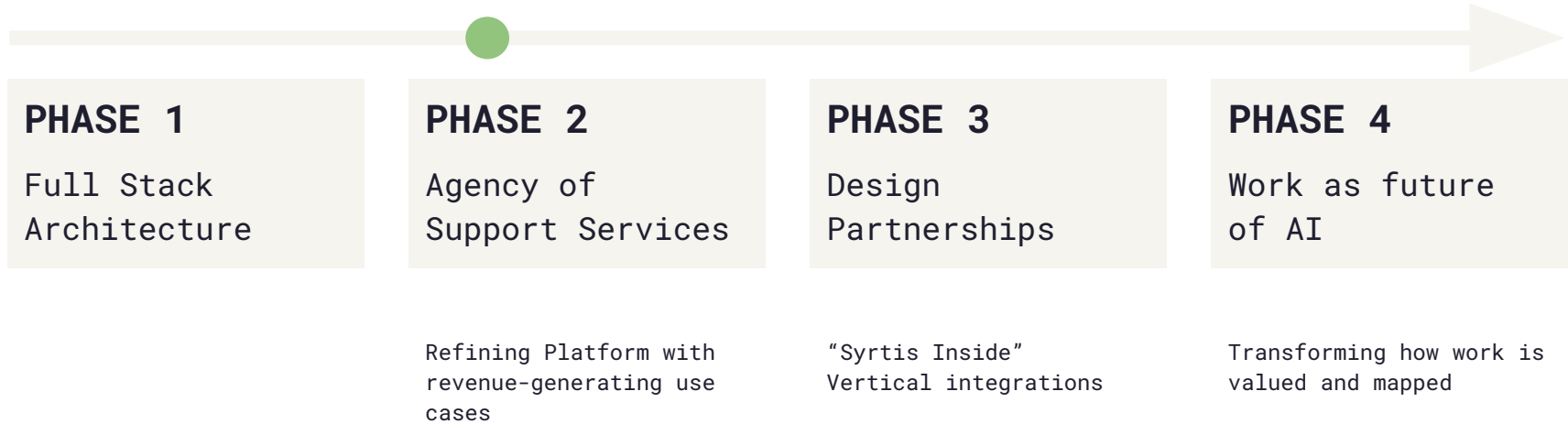
## Current Vision & Mission

**Syrtris is an agency that design and delivers digital services**

We design, build, and operate reliable AI services that augment teams/product and fix broken workflows—powered by our own **full-stack platform** as the engine behind the scenes.

**Our mission** is to help organizations turn critical workflows into trustworthy AI services, fast, without compromising sovereignty, security, or control.

# Roadmap: From Support Services to the Future of Work



# Initial Concepts

LLMs are not products but the power plug of new types of software, able to deliver services.

Opening an era of services-as-a-software that provides **results**, and bring high value to its clients and open the wide market of services.

## Commodity



Electricity



## Solution



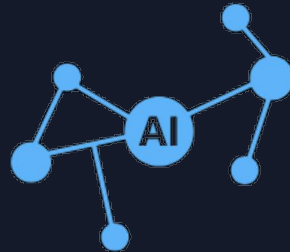
Machine



## Outcome



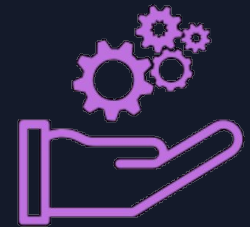
Product



LLM



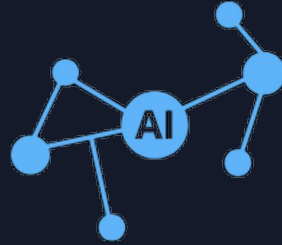
Application /  
Software



Digital  
Service

Syrtis lets you orchestrate domain-specific AI instead of settling for one-size-fits-all black-box apps like ChatGPT or Claude.

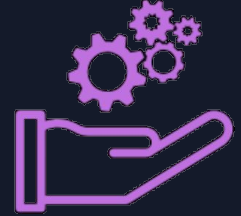
Its open, auditable architecture provides full traceability, so every use-case is flexibly tuned and compliance-ready.



LLM



Application /  
Software



Digital  
Service

open-source LLMs

Syrtis

Hyper-specialised

Copilot

General

o3, 4.1, ...

ChatGPT

General / Code

Haiku, Sonnet 3.5

Claude

General / Code

# Problem #1 - Deliver productivity promises & ROI

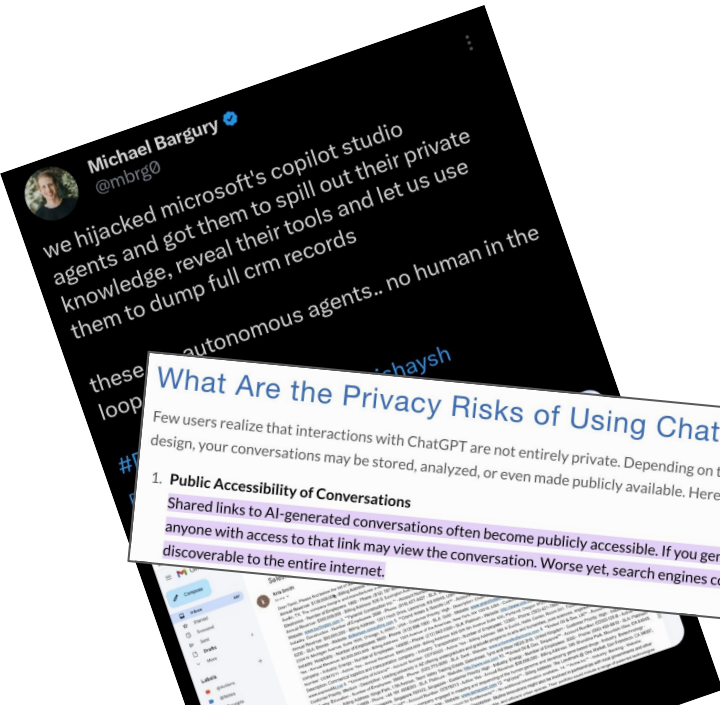
## Why European enterprises still can't move Gen-AI from lab to production

- **Prototype-purgatory is real** – 54 % of enterprises still lack an end-to-end AI strategy, so most Gen-AI projects stall as PoCs with no version control or quality gates.
- **Toolchain chaos = no CI/CD for AI** – Teams juggle separate point tools for RAG, prompt versions, evals and monitoring—there's **no single control-plane** to assure reliability, transparency or rollback.
- **EU compliance raises the bar** – The new **EU AI Act** adds strict “trust-and-trace” obligations; critics warn the rules could overwhelm smaller vendors and expose enterprises to fines if data leaves the bloc.
- **Value on hold** – Without a sovereign, test-driven platform, enterprises endure long lead-times and unpredictable outputs – while peers on modern stacks ship production AI 10× faster.

*Market demand: **one secure platform** that guarantees accuracy, governance, and fast time-to-value.*

## Problem #2 - Data breaches and IP

- Employees are unintentionally leaking sensitive data through ChatGPT and similar tools.
- Consumer GenAI platforms lack enterprise-grade compliance, logging, and protections.
- High-risk areas: HR, Legal, Marketing.



### **“Productivity at the Expense of Protection**

*The value proposition of GenAI is compelling: faster task completion, less cognitive load and more consistent outputs. Employees use these tools to summarize documents, draft communications, rewrite performance reviews and generate reports. For HR teams, in particular, who deal with a high volume of sensitive communications, **GenAI tools seem like a godsend.**”*

source: <https://www.securityinfowatch.com/ai/article/55303317/the-silent-breach-why-generative-ai-is-the-new-insider-threat>

## Problem #4 - Stability of services from 3rd parties

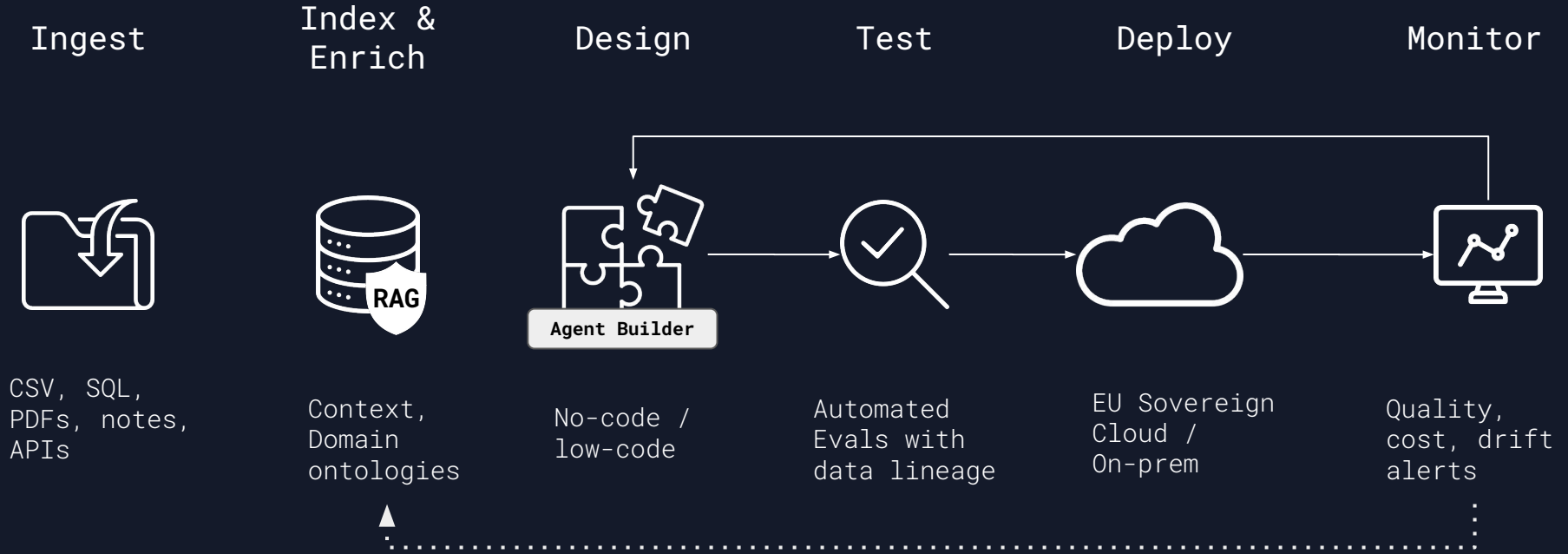
- What used to work now doesn't
- The control is within the company you're relying on for your AI services = **building on sand**

screen capture of a "generalist app" after after its latest update to GPT5, when prompted the same technical question →



**Secret Sauce:  
the fullstack  
platform**

# How It Works



Compliance • GDPR • Auditability • IP • AI-Act ready logs

# The Syrtis Solution

## Content-Aware AI Architecture You Can Trust

- **Content-Aware Indexing** – Converts all enterprise data - structured and unstructured - into a live knowledge layer, enriched by metadata, so every answer is grounded in verifiable sources.
- **Design** – Visual builder + modular **Agent Blocks** let teams snap-together HR, Ops and Compliance agents in hours, not months.
- **Test** – Built-in source-backed evaluations and automated accuracy tests give every answer a citation trail, eliminating hallucinations and satisfying auditors.
- **Deploy** – One-click rollout to **EU cloud, sovereign cloud or fully on-prem**; no data ever leaves the customer's perimeter—GDPR by default.
- **Monitor** – Real-time dashboards on latency, token spend and quality scores, plus proactive alerts and full interaction archives for AI-Act compliance.

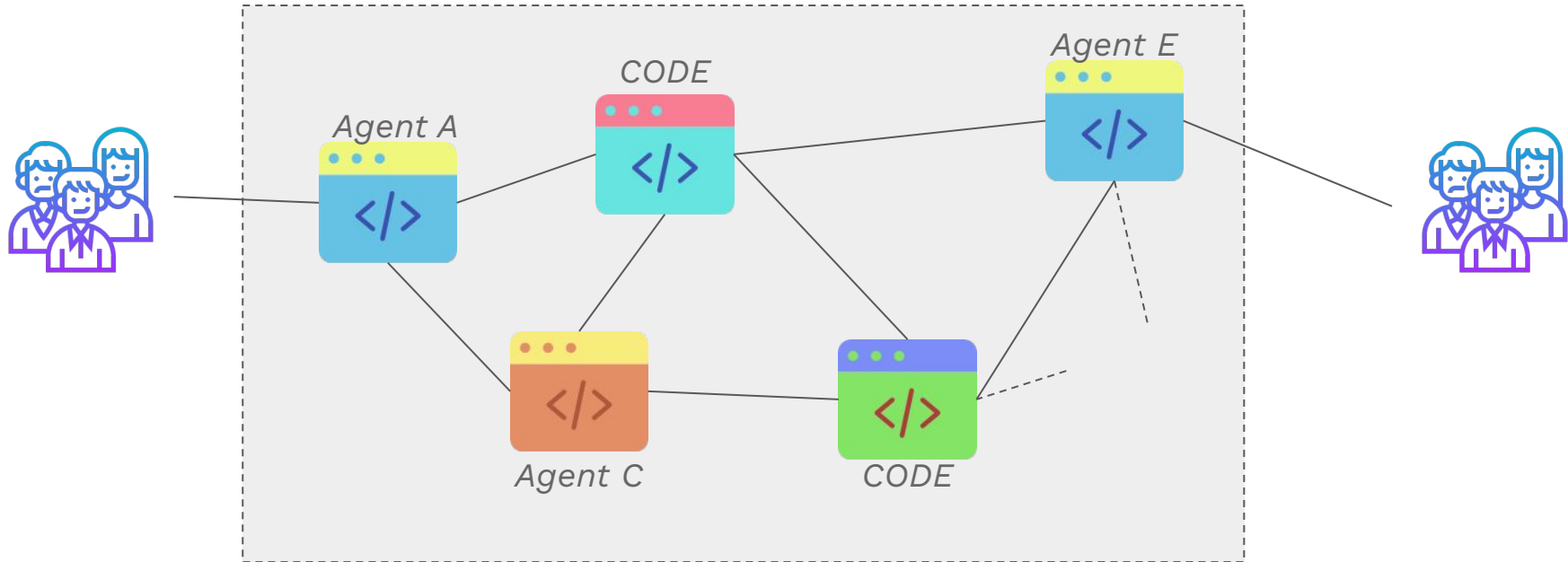
Your **end-to-end production line** for compliant, enterprise-grade Gen-AI.

# The Syrtis Infrastructure

*Able to improve the accuracy and quality of genAI processes by developing a seamless integration of traditional programming and AI agents = **an AI orchestrator or Multi Agent System (MAS)***

*These systems collaborate to produce the most precise, reliable User Experience possible but also a stable production grade solution.*

## **Mix of AI and non AI**



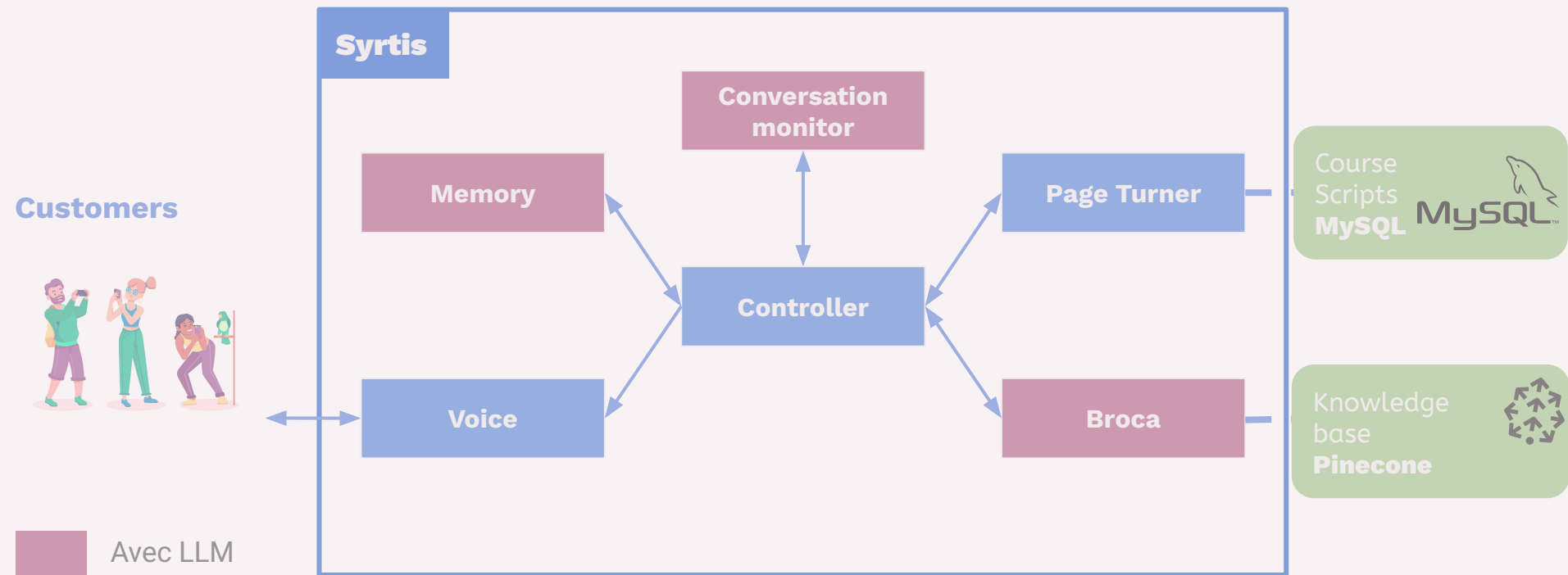
## R&D - Syrtis

04/2024

Quand le client envoie un message, il arrive vers **Voice** puis **Controller**.  
**Controller** va 1/ ajouter le message à **Memory** 2/ demander le statut de la conversation à **Conversation Monitor**

- Même leçon → il va consulter **Broca/Memory**
- Fin de leçon → demande à **PageTurner** la leçon suivante, stocke dans **Memory** puis **Broca**

**Controller** reçoit les réponses de **Broca**, les ajoute à **Memory** et renvoie vers **Voice** la réponse au client



## The Product

*Syrtis is the control-plane that turns modular building blocks into production-grade, fully traceable AI services - faster than black-box apps, and with enterprise-level governance built in.*

**Visual Scenario Builder** – Drag-and-drop workflows made of *agents* and *nodes* (LLM or classic code) let teams model any synchronous or asynchronous service in minutes.

**Model-agnostic & Composable** – Mix OpenAI, Anthropic or open-source LLMs with search, RAG, HTTP calls and business rules in the same graph; swap components without rewiring.

**Iterate Safely** – Built-in versioning, live experimentation and automated evals give every change a test harness and a citation trail—no more guesswork.

**One-click Deploy → Monitor** – Push to EU cloud, sovereign cloud or on-prem, then track quality, drift, cost and carbon from real-time dashboards.

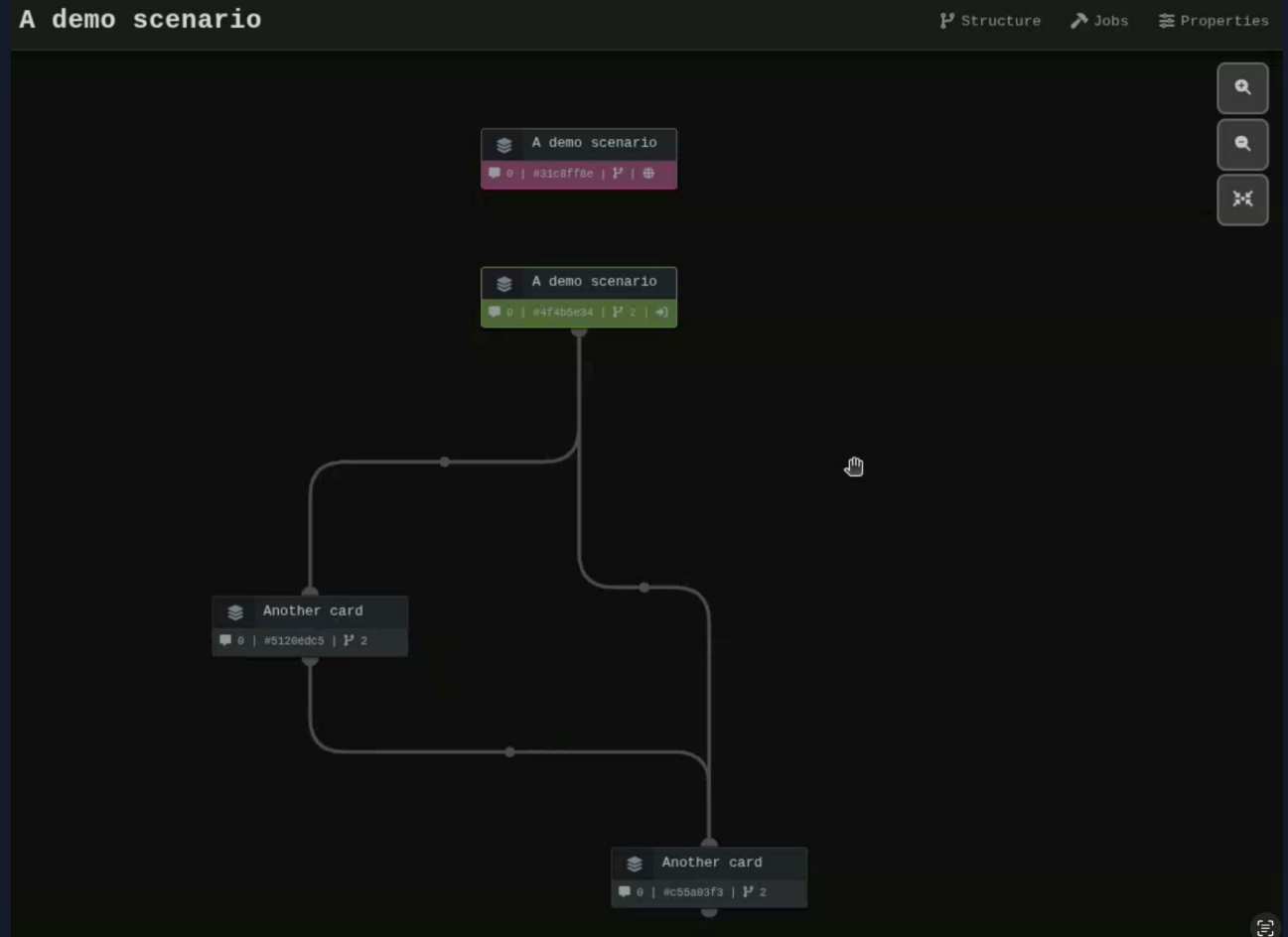
**Audit-ready by Design** – Full request waterfalls, data lineage and AI-Act-ready logs make compliance and tracing a by-product, not an afterthought.

# The Product

We build an AI application in several steps, along a **scenario** - or service.

Each scenario contains **agents**.

This full flexibility of architecture allows to build any sorts of applications, synchronous or asynchronous.

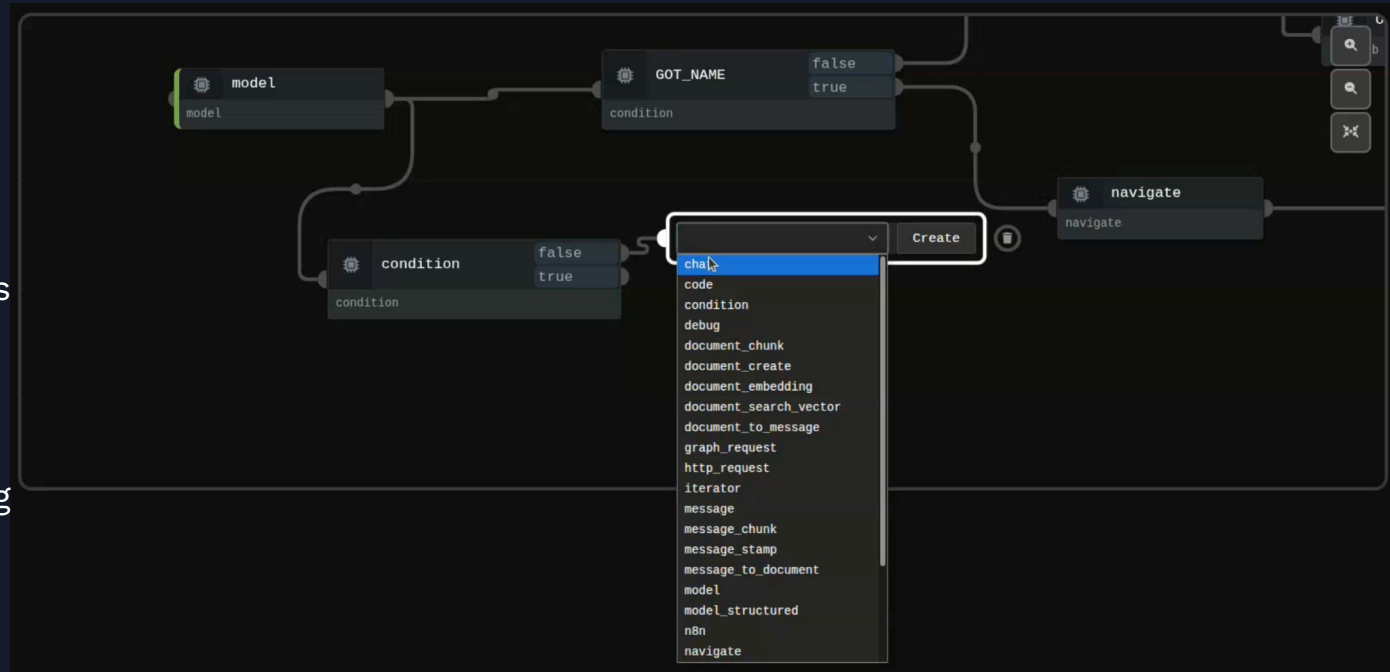


# The Product

Each agent can be configured in a graphical manner to fit the goal that it is set for it.

The agent is made of nodes - using LLMs or not - that are individually configured.

It means that an agent can contain several nodes using each a different model to accomplish its respective task.



# The Product

A scenario can be tuned directly in the interface, allowing direct experimentation, with versioning.

Chat Console Requests Messages Scenario Edit

1 messages >

Let's get specific about the "WHAT" for your onboarding challenge.

What do you want this solution to accomplish? What specific outcome or change would make you say, "That worked!"?

For example, is it about reducing the time it takes for new hires to become productive, increasing their engagement, improving retention rates, or something else? Please describe—in concrete terms—what success looks like.

Prompts <

ID	Name	Request	Slot	Format	Type
#22341	~	#10714	#1745	text	conversation
#22869	~	#10871	~	text	conversation

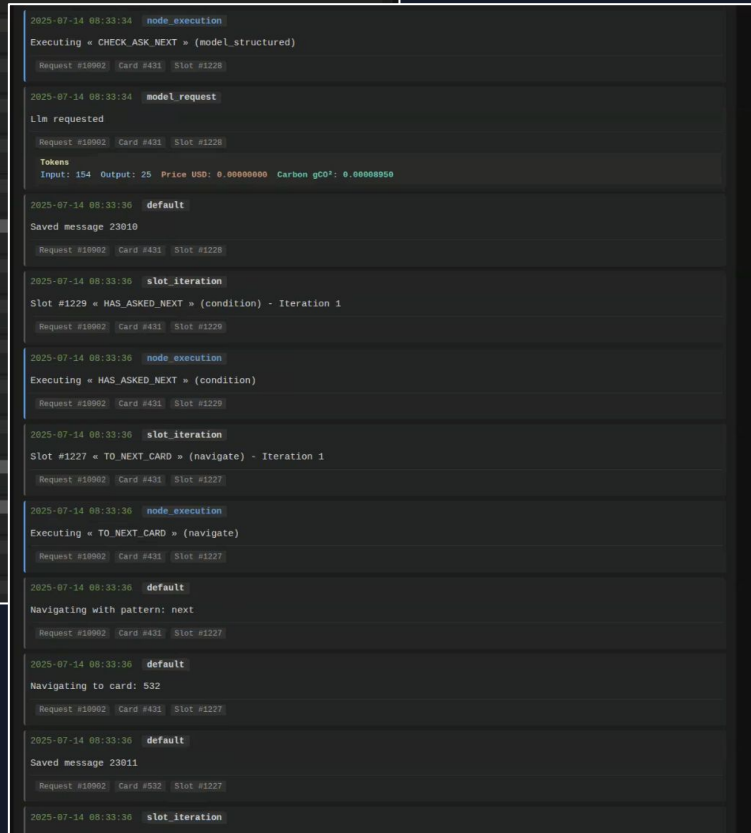
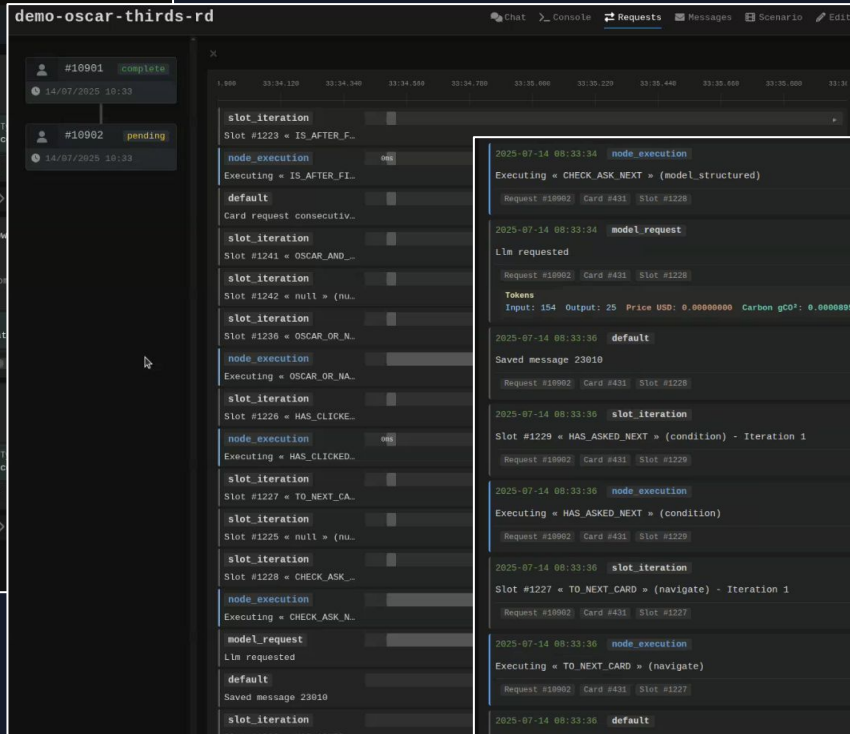
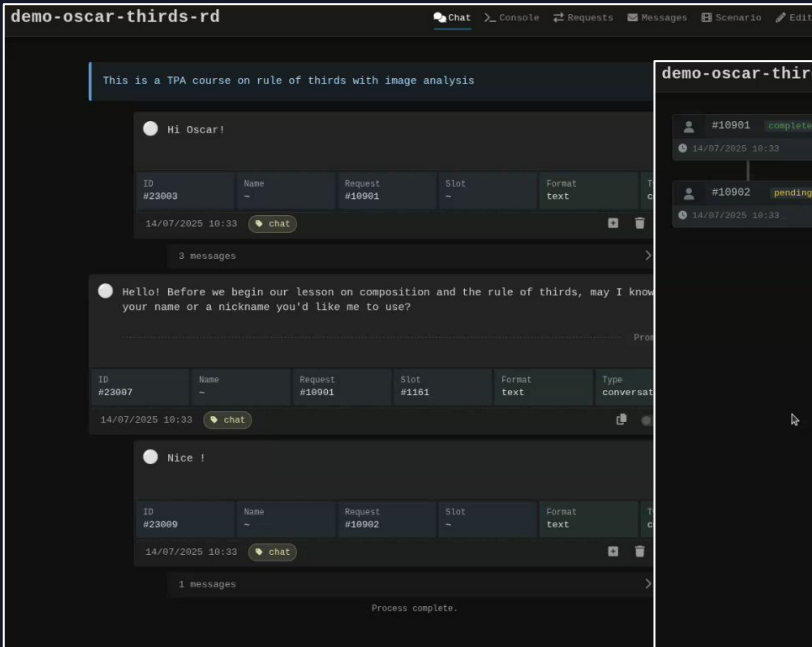
20/06/2025 17:46 chat Raw

okay

ID	Name	Request	Slot	Format	Type
#22869	~	#10871	~	text	conversation

13/07/2025 19:48 chat Raw

Processing started...



Auditability at its core.  
You can access the requests  
(including waterfalls) and logs of a  
console.  
It is possible to build dashboards on  
this base to follow model costs, CO<sub>2</sub>  
emission, etc.

# Legal/Regulatory analysis built in for fast compliance feedbacks

### Legal Compliance Overview

Here is a summary of important legal information regarding your scenario. Below you will find a knowledge base that will help you prepare your scenario's compliance with various legal frameworks.

#### RISK LEVEL

**MEDIUM**

Makes HTTP requests to external URLs, which can transmit data to third-party services. Uses external AI providers: OpenAI.

#### EXTERNAL DATA PROCESSORS

User data may be transmitted to the following providers:

- OpenAI
  - openai.com
  - LLM Processing
  - United States

#### MEDIUM RISK NODES

- HttpRequest
  - http\_request

#### DATA STORAGE

All other information stored by this scenario is hosted on Syrtis servers, at OVH datacenter in Roubaix, France 🇫🇷

### Documentation Library

- GDPR
- AI-ACT
- SUPPORTING

# Context Engineering

## The key

#2706 | OSCAR\_TALKING | chat

General Configuration **Input messages** Output messages

**global\_context**

- :: Create message, in `text` format, of type `default` .
- :: Get messages from `global-card` , named with `COURSE_INSTRUCTIONS` , in `text` format, of type `default` .

**history**

- :: Get messages from `history` , in `text` format, of type `conversation` , limited to `10` items, having stamp `chat` .
- :: Get messages from `history` , named with `SIMPLE_REVIEW` , in `json` format, of type `analysis` , having stamp `expert_review` .

**local\_context**

- :: Get messages from `messages-bag` , having stamp `expert_review` .
- :: Create message, in `text` format, of type `default` .

**input**

- :: Create message, in `text` format, of type `default` .

# Use Cases



**FIBA**

We Are Basketball

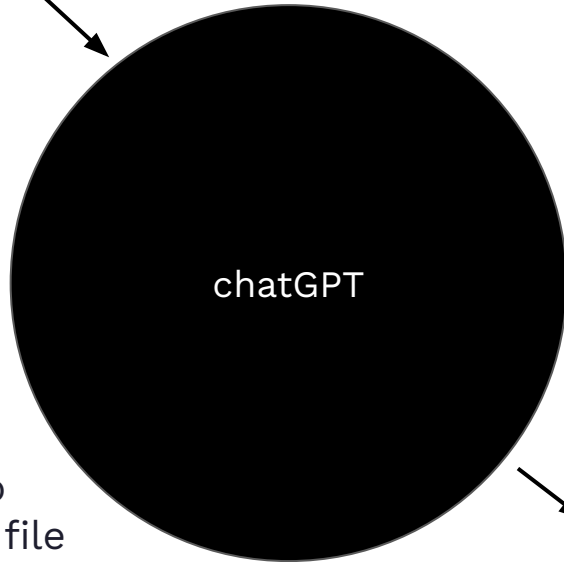
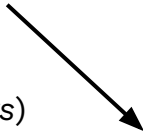
**USE CASE**

# "DRAZEN" - The Drawbacks of the Black Box



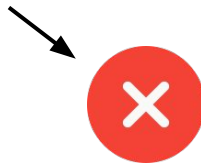
Game File

(~15k lines,  
500k characters)



chatGPT

Single Prompt to  
one LLM + large file



- Factual mistakes (hallucination)
- Instability of responses

Risks:

- Lack of trust
- Adoption failing

# "DRAZEN" - Game File

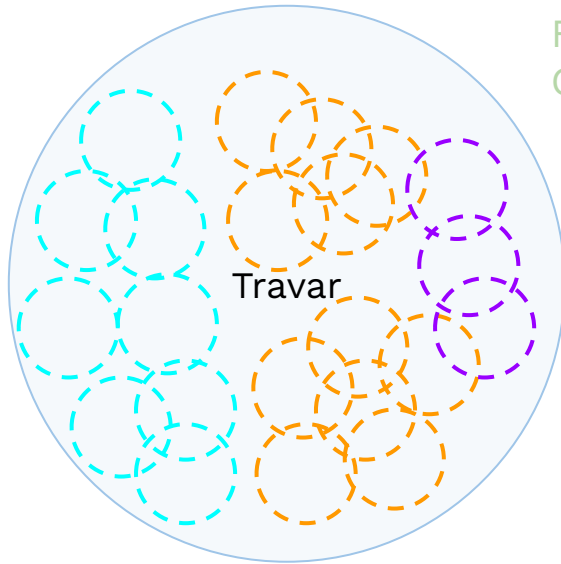
```
{
  "Time": "9:37",
  "GT": 1771437651000,
  "SC": 0,
  "SA": 0,
  "SB": 2,
  "AC": "ASS",
  "Action": "made the assist",
  "ActionOris": "Assist",
  "SU": null,
  "Z1": "",
  "Z2": "",
  "Z3": "",
  "T1": "T_72868",
  "C1": "P_224624",
  "C2": null,
  "SX": "0",
  "SY": "0",
  "Id": "10",
  "Pid": "9",
  "SP": 0,
  "ST": 0,
  "STQ": 0,
  "SortOrder": 6001
}, {
  "Time": "9:21",
  "GT": 1771437667000,
  "SC": 0,
  "SA": 2,
  "SB": 2,
  "AC": "P2",
  "Action": "2PtsFG under the basket, driving layup made",
  "ActionOris": "2PtsFG under the basket, driving layup made",
  "SU": "+",
  "Z1": "PUB",
```

ETC.

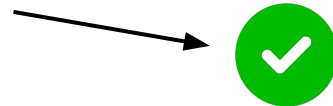
# "DRAZEN" - Configure multiple components/parameters



Game File  
(~15k lines,  
500k characters)



Fully controllable  
Orchestration layer



Traditional Code



Interpreters (*inc. LLMs*)



Writer & Checker (*inc. LLMs*)

- Facts are straight
- Control over game report content
- Stability of responses

# Digest Game File



Traditional Code  
(Python)



```
== Scoring Bursts (Sorted by
Rate) ==
1. Jordan Bayehe (Cameroon):
Start: Q1 8:07
End: Q1 5:54
Duration: 2:13
Points: 8
Points Breakdown:
Q1 8:07 3pt
Q1 6:30 3pt
Q1 5:54 2pt
Rate: 0.06 pts/s
```

```
== Scoring Runs ==
Number of Runs: 6
```

```
1. Team: Cameroon
Start: 01:23
End: 04:06
Duration: 02:43
Run Score: 11-0
Starting Scores: 0-2
Ending Scores: 11-2
Player Efficiency:
Cameroon:
Jordan Bayehe: Efficiency 9
Points: 8, FG: 3/3, FT: 0/0
Rebounds: 1, Assists: 0, Steals: 0,
Blocks: 0
Turnovers: 0, Fouls: 0
Landry Nnoko: Efficiency 5
Points: 3, FG: 1/1, FT: 1/1
...
```

```
{
  "TimeSpentLeading": {
    "Cameroon": "38:37",
    "South Sudan": "0:34",
    "Tied": "0:49"
  }
}
```

```
== Plus/Minus by Lineup Combination ==
```

```
Team: Cameroon
```

```
=====
```

```
1. Landry Nnoko, Aristide Mouaha, Jordan Bayehe, Jeremiah
Hill, Tamenang Choh
Duration: 16:55
Plus/Minus: +6
```

```
2. Roland Nyama, Aristide Mouaha, Jordan Bayehe, Jeremiah
Hill, Brice Eyaga
Duration: 1:09
Plus/Minus: +5
```

```
...
```

```
== Average Lead ==
Cameroon: 8.7 points
South Sudan: 2.0 points
```



# Interpret the Game with Editorial team's requirements



Interpreters (*inc. LLMs*)

```
== Scoring Runs ==  
Number of Runs: 6  
  
1. Team: Cameroon  
Start: 01:23  
End: 04:06  
Duration: 02:43  
Run Score: 11-0  
Starting Scores: 0-2  
Ending Scores: 11-2  
Player Efficiency:  
Cameroon:  
Jordan Bayehe: Efficiency 9  
Points: 8, FG: 3/3, FT: 0/0  
Rebounds: 1, Assists: 0, Steals: 0,  
Blocks: 0  
Turnovers: 0, Fouls: 0  
Landry Nnoko: Efficiency 5  
Points: 3, FG: 1/1, FT: 1/1  
...
```



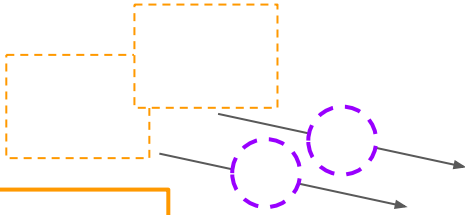
Cameroon's biggest run was an 11-0 surge early in the first quarter, turning a 0-2 deficit into an 11-2 lead. Jordan Bayehe was instrumental, accounting for 8 of the 11 points (72.7%) on perfect 3/3 shooting and adding a rebound. Landry Nnoko contributed the remaining 3 points and grabbed 2 rebounds, helping Cameroon establish early control.

South Sudan's most significant run was a 9-0 stretch in the third quarter, cutting the deficit from 40-25 to 40-34. Deng Adel led the charge with 5 points (55.6%) and 2 rebounds during the run, while Makur Maker added 2 points and 3 rebounds, fueling South Sudan's comeback push.

# Understand the game and Write about it

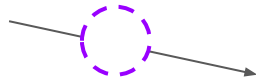


Writer & Checker (inc. LLMs)



Cameroon's biggest run was an 11-0 surge early in the first quarter, turning a 0-2 deficit into an 11-2 lead. Jordan Bayehe was instrumental, accounting for 8 of the 11 points (72.7%) on perfect 3/3 shooting and adding a rebound. Landry Nnoko contributed the remaining 3 points and grabbed 2 rebounds, helping Cameroon establish early control.

South Sudan's most significant run was a 9-0 stretch in the third quarter, cutting the deficit from 40-25 to 40-34. Deng Adel led the charge with 5 points (55.6%) and 2 rebounds during the run, while Makur Maker added 2 points and 3 rebounds, fueling South Sudan's comeback push.



## # Cameroon Hold Off South Sudan in Gritty 60-56 Victory

Cameroon led nearly wire to wire and delivered a gritty win over South Sudan, 60-56, in a Group A 1st Round game at the FIBA Basketball World Cup 2027 African Qualifiers on November 30, 2025, at the Salle Multidisciplinaire de Radès in Rades. Cameroon seized control early, establishing a double-digit cushion by halftime and relying on defensive resolve to withstand a spirited South Sudan rally in the closing minutes. Strong early shooting and timely stops down the stretch proved decisive as Cameroon opened their campaign with a hard-earned result.

## ## Turning Point

The momentum swung in Cameroon's favor after Landry Nnoko's driving layup with 8:37 left in the opening quarter put them ahead 3-2, launching an 11-0 run that set the tone for the game. Cameroon leaned on efficient three-point shooting and aggressive penetration, surging to a 37-19 advantage late in the second quarter. Jordan Bayehe, Jeremiah Hill, and Roland Nyama all played pivotal roles during this stretch, giving Cameroon a margin they would protect despite South Sudan's push in the second half.

## ## Game Heroes

Jeremiah Hill paced Cameroon with 15 points, 5 rebounds, 6 assists, 1 steal, and 1 block in nearly 38 minutes, providing leadership on both ends of the floor and knocking down important shots late to secure the win. Bayehe matched him with 15 points, 8 rebounds, and 2 blocks, setting the tone with his early scoring flurry. Aristide Mouaha made his presence felt as well, tallying 8 points, 6 rebounds, 8 assists, and 4 steals, including key contributions in crunch time. On the other side, Both Tut Gach led South Sudan's late charge, finishing with 15 points, 8 rebounds, and 8 assists.

## ## Runs

Cameroon's largest run came early, stringing together an 11-0 burst in the first quarter to turn a 0-2 deficit into an 11-2 lead. Bayehe accounted for 8 of the 11 points on a perfect 3-of-3 from the field, while Nnoko added the remaining 3 points and grabbed 2 boards. South Sudan's best stretch was a 9-0 run in the third quarter, narrowing the gap from 40-25 to 40-34, powered by Deng Adel's 5 points and Makur Maker's 3 rebounds during that span.

# High level process

Generate Report



API request

Drazen

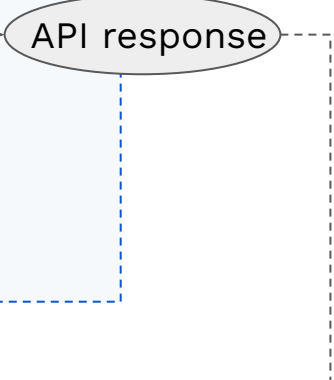
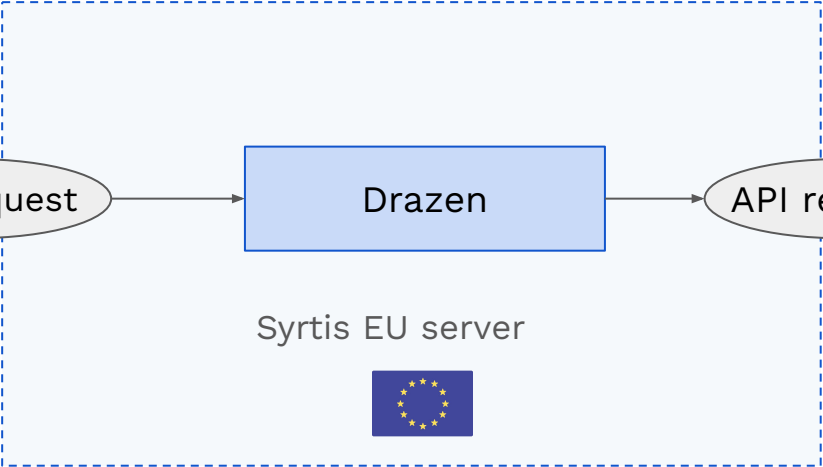
API response

Syrtis EU server



*Game Report +  
Data Treatment layer  
content*

Downstream treatment  
+  
Display on website



# FIBA (Sports) - Expert Assistant "DRAZEN"

## WHAT WE BUILT

- Ingest game data & play-by-play stats
- Automatic game report generation service
- Service that augments the capacity of team and fits various needs
- Live for World Cup Qualifiers (80 matches, Feb-Mar 2026)

*"A feat impossible with ChatGPT, made possible with Travar."*

## RESULTS

**-97%**

Editorial Cycle Time

3 hours → 5 minutes

**3,000**

Reports / Year

Previously complicated at this scale

Home > Games > SAH vs ARB

QUALIFICATION TO SEMI-FINALS  
Sheikh Saeed Bin Maktoum Sports Hall, UAE (UAE)



Shabab Al Ahli

83 - 89

FINAL



Al Arabi SC

Overview [Boxscore](#) [Game Report](#) [Play by play](#) [Shot chart](#) [Game stats](#) [Photos](#) [Videos](#) [News](#)



AI REPORTER (AI-BASED AGENT GENERATING GAME REPORTS USING GAME DATA)  
Mr. Drazen

## AL ARABI SC STAGE DRAMATIC COMEBACK TO ELIMINATE SHABAB AL AHLI IN WASL-GULF THRILLER

Al Arabi SC booked their ticket to the WASL-Gulf Semi-Finals with a dramatic comeback win, overcoming a 13-point deficit to defeat Shabab Al Ahli 83-89 on February 17, 2026, at Sheikh Saeed Bin Maktoum Sports Hall in Dubai City. Despite trailing for more than 32 minutes, Al Arabi SC found their rhythm late, flipping the script in a game that featured eight lead changes and was still up for grabs inside the final minute.

### TURNING POINT

With 1:24 left in the fourth quarter, Deshawndre Washington attacked the rim

# Use Case - FIBA (Sports)

## **Business analysis**

# Use Case - for EdTech company, an automatic photography reviewer

## Customer: you ?

- Syrtis proposes analysis of photographs
- Syrtis powers the automatic feedback

→ **Bring a new product**



# The StartUp Team - after 2+ years of R&D



**Maxime Favier**

CEO

PhD Pharmaceutical Sciences. Ex-pharma researcher. 15+ years entrepreneur.



**Romain**

CEO  
**Weeger**

25+ years software engineer. Lead System architect. Built platform with 3 people.

**Patrick Cheenne**

CBO • Business development.

**Simon Desbarax**

CFO • Post-exit entrepreneur

**Joaquim Braz de Oliveira**

Business Processes • Former “Big4” consultant

**Gabriel de la Fournière**

Marketing & Communications

Advisors: University professors (J. Loeckx, VUB), sustAIn.Brussels, FARI

**Financed with the support of Innoviris, through R&D started in 01/2024**

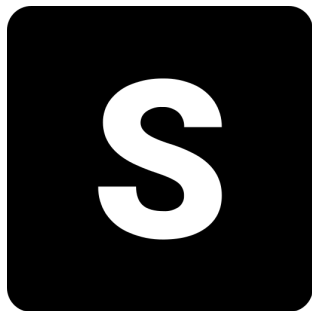


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**ARTIFICIAL INTELLIGENCE RESEARCH GROUP**



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