HUMAN-LEVEL ARTIFICIAL GENERAL INTELLIGENCE (AGI)

The pathway to a new AI Leadership

Mario Garcés | Founder & CEO at The Mindkind

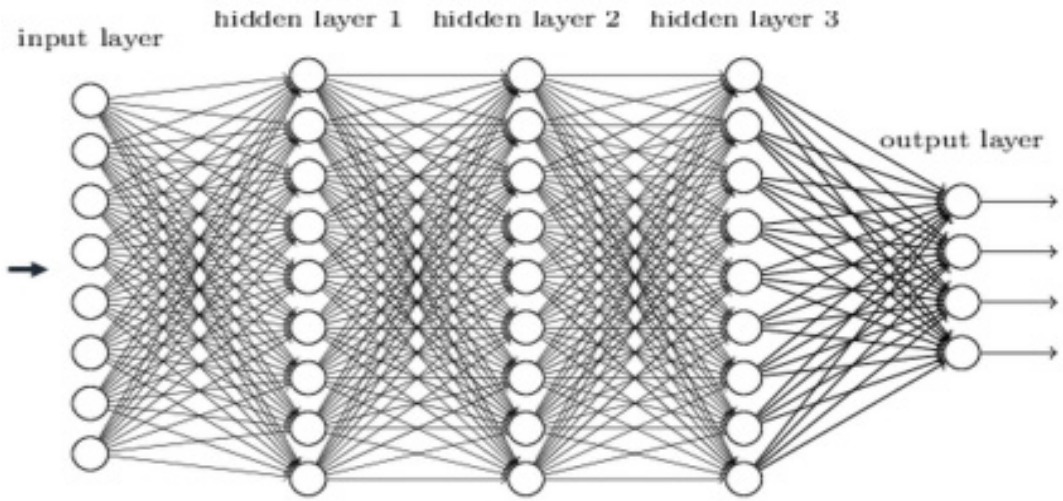
the mindkind

THE PROBLEM

Generative AI faces four main challenges :

BIG DATA

Deep Learning

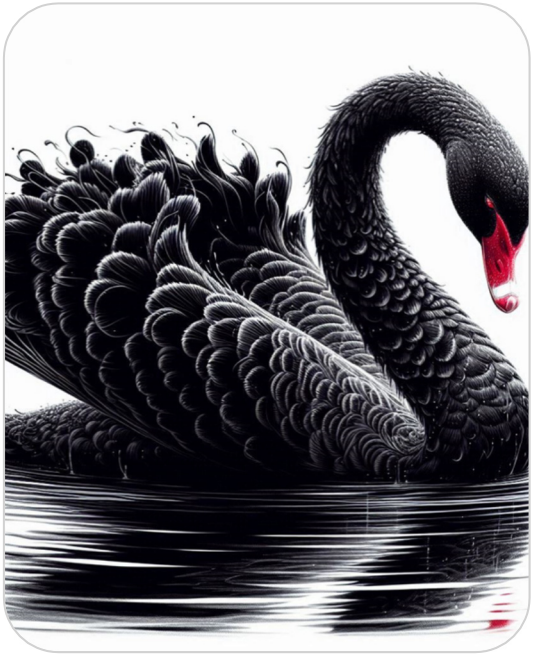


STATISTICAL MODELS

THE PROBLEM

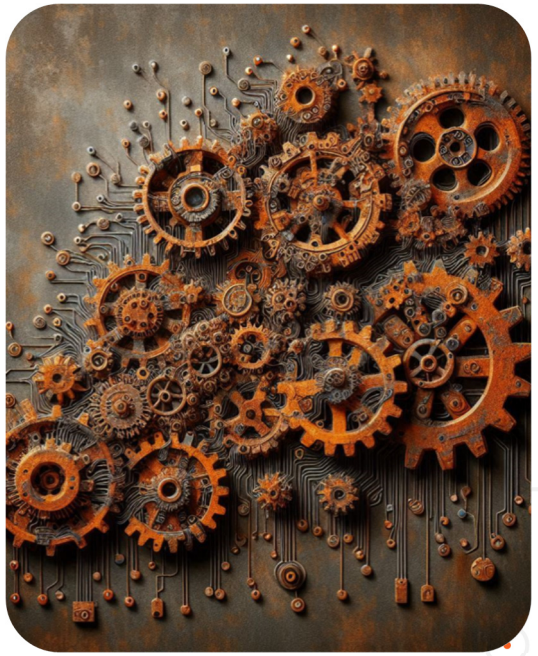
Generative AI faces four main challenges :

Untraceable
(Black Box problem)



Untrustable
(Black Swan & Hallucinations)

The lack of **Causality** and **Generalization**



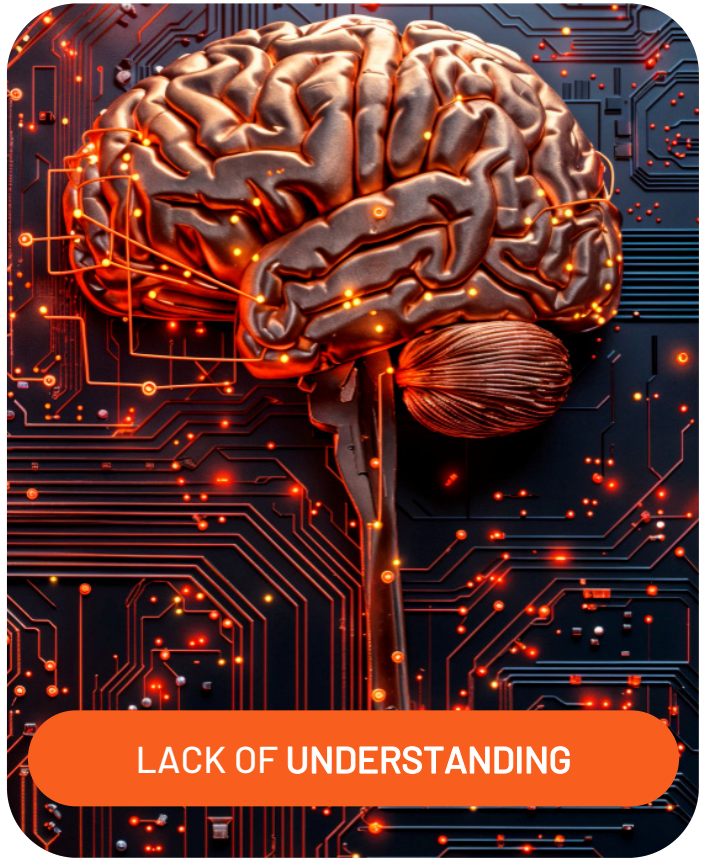
Highly **Inefficient**

THE PROBLEM

Generative AI faces four main challenges :

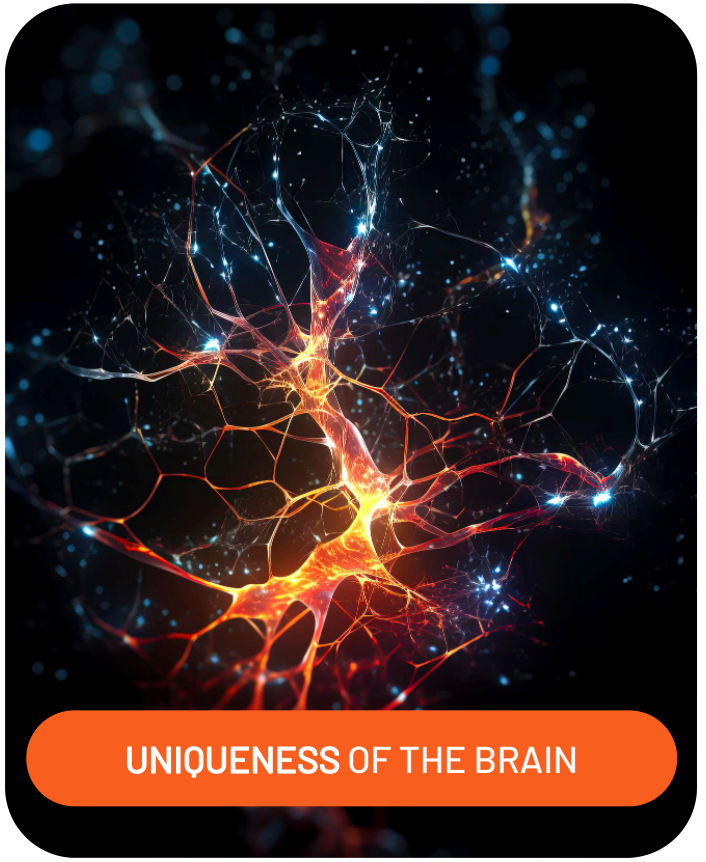
GENERATIVE AI = NON CRITICAL PROBLEMS

LIMITATIONS TO ACHIEVE AGI



LACK OF **UNDERSTANDING**

LIMITED TECHNOLOGY

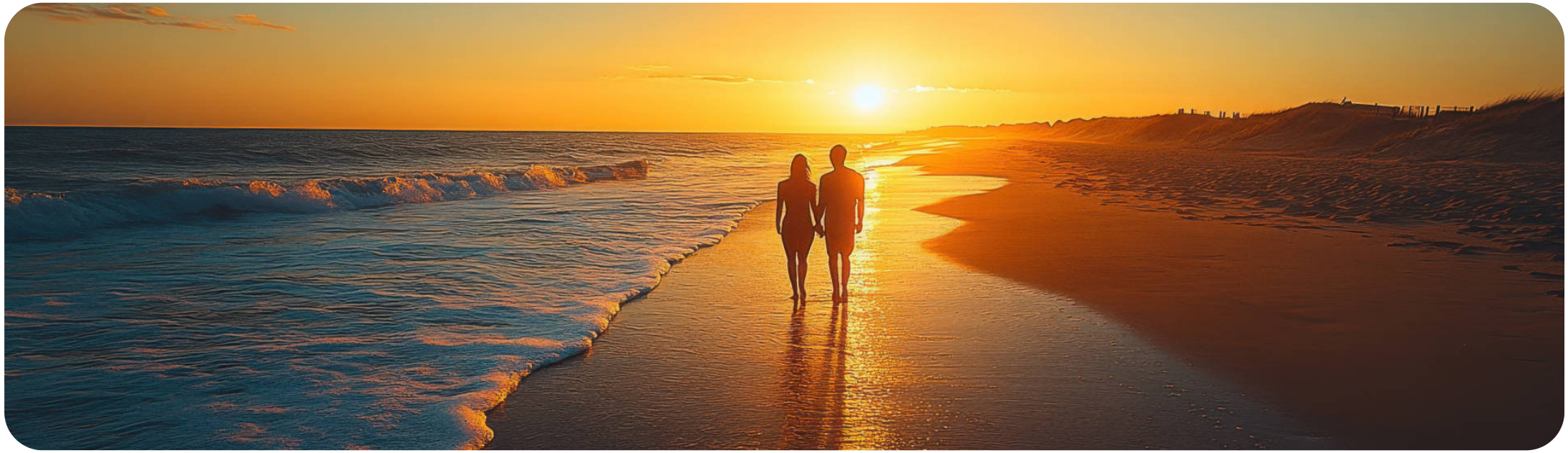


UNIQUENESS OF THE BRAIN

LIMITATIONS TO ACHIEVE AGI

SUBJECTIVE EXPERIENCES

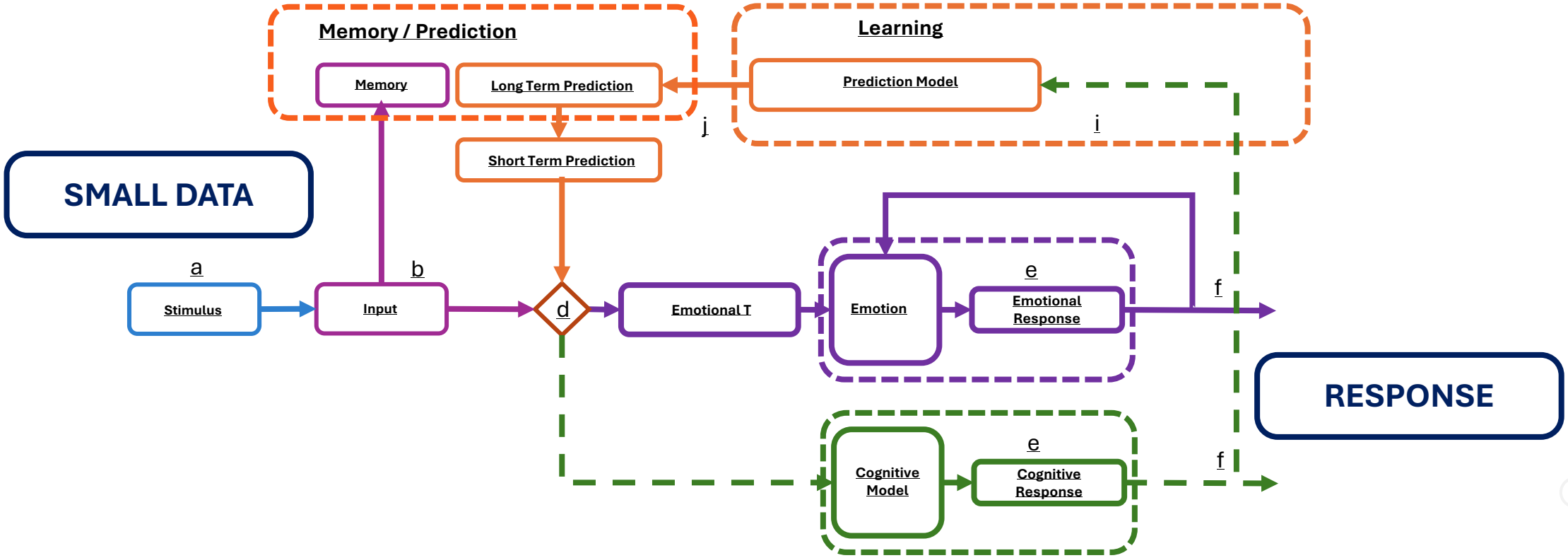
Exclusive Knowledge that is our competitive advantage



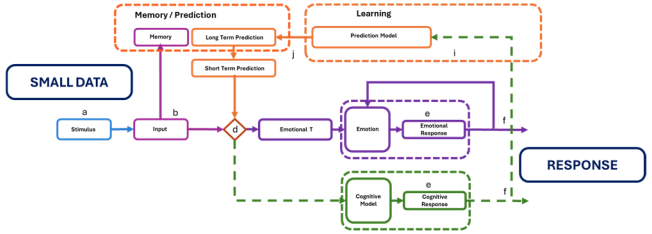
THE SOLUTION

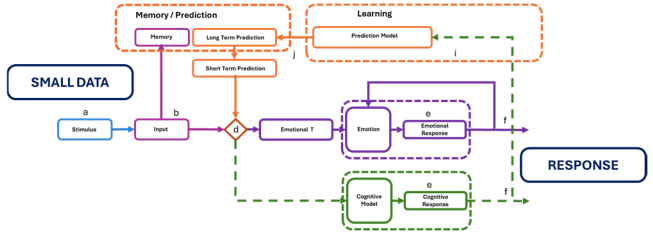
We brake complexity **apart**

THE SOLUTION

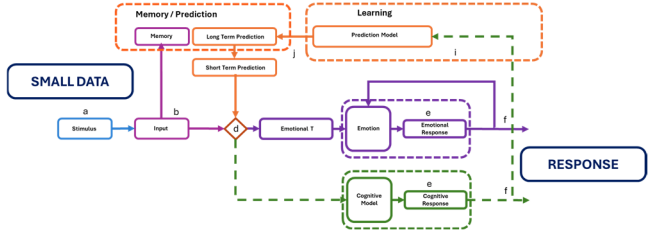


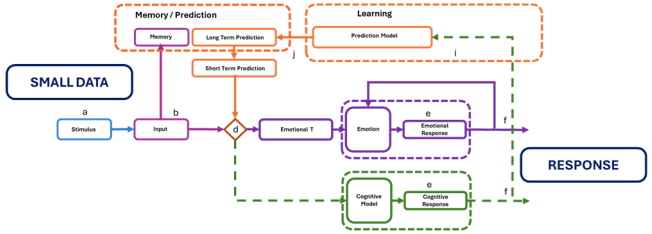
THE SOLUTION



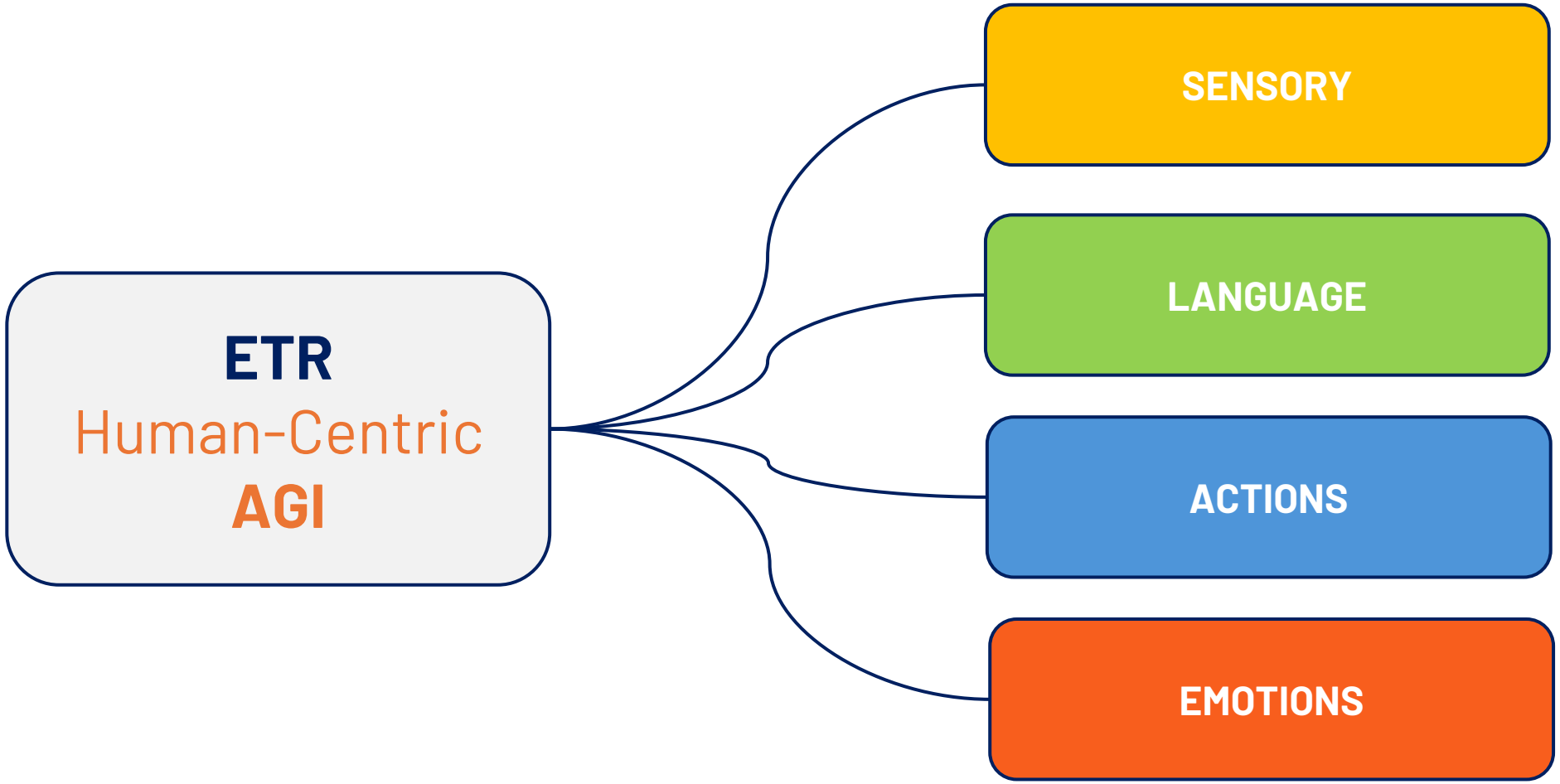


Conceptual-Relational
Shared space
Neural-Graph

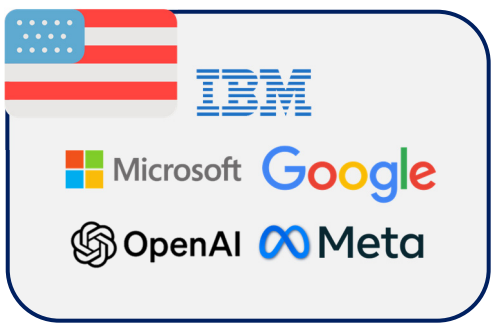


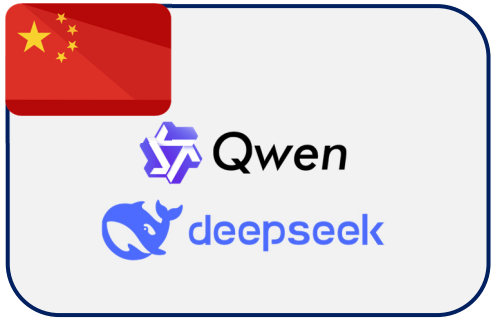


THE SOLUTION



COMPETITORS





GENERATIVE AI

- **BLACK BOX** (untraceable)
- **BLACK SWAN** (hallucinations)
- **STATISTICALLY** related Data
- **Highly INEFFICIENT**

(Big-Data, Deep-learning)

ALGORITHMIC AGI

- **TRACEABLE Neural-Graphs**
- **TRUSTABLE reasoning**
- **CAUSALLY related concepts**
- **Highly EFFICIENT learning**
- **Pseudo-Conscious**

COMPETITORS

IBM
Microsoft Google
OpenAI Meta

Qwen
deepseek

etr Powered

GENERATIVE AI

LLMs

ALGORITHMIC AGI

- TRACEABLE Neural-Graphs
- TRUSTABLE reasoning
- CAUSALLY related concepts
- Highly EFFICIENT learning
- Pseudo-Conscious

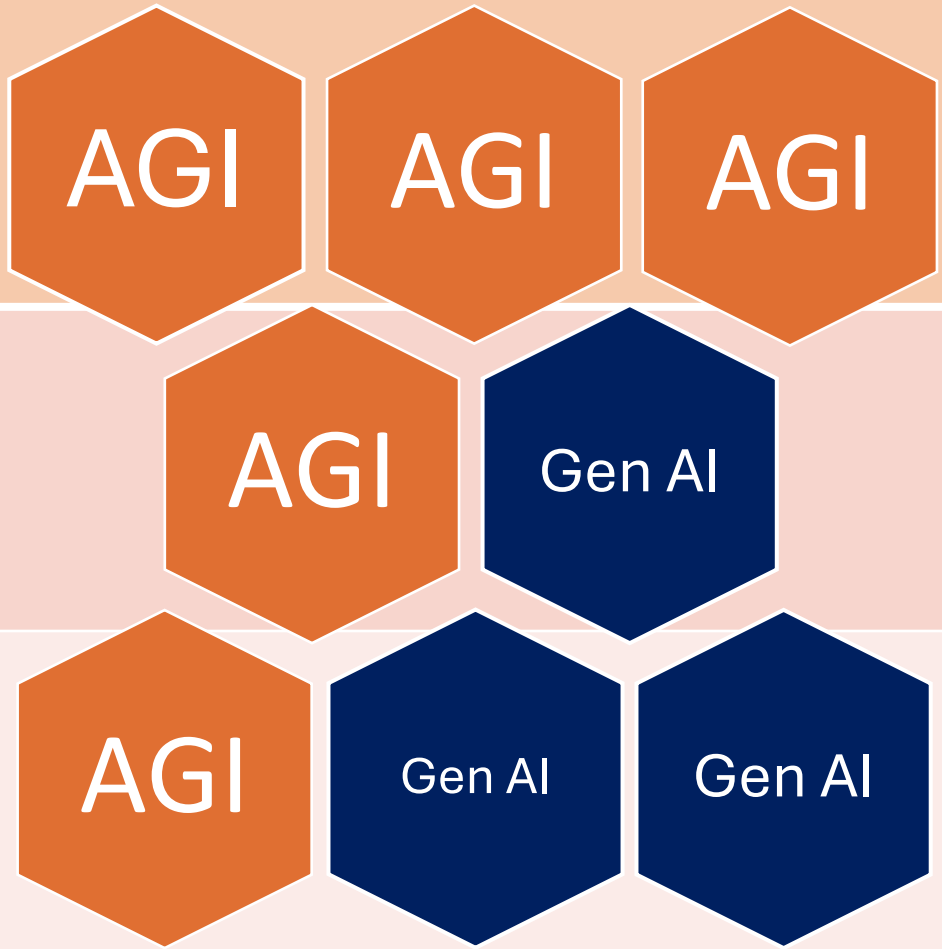
OUR SOLUTION

AGI vs. GEN AI

CRITICAL SYSTEMS

AGI

Complex, Incomplete, difuse and ambiguous information.



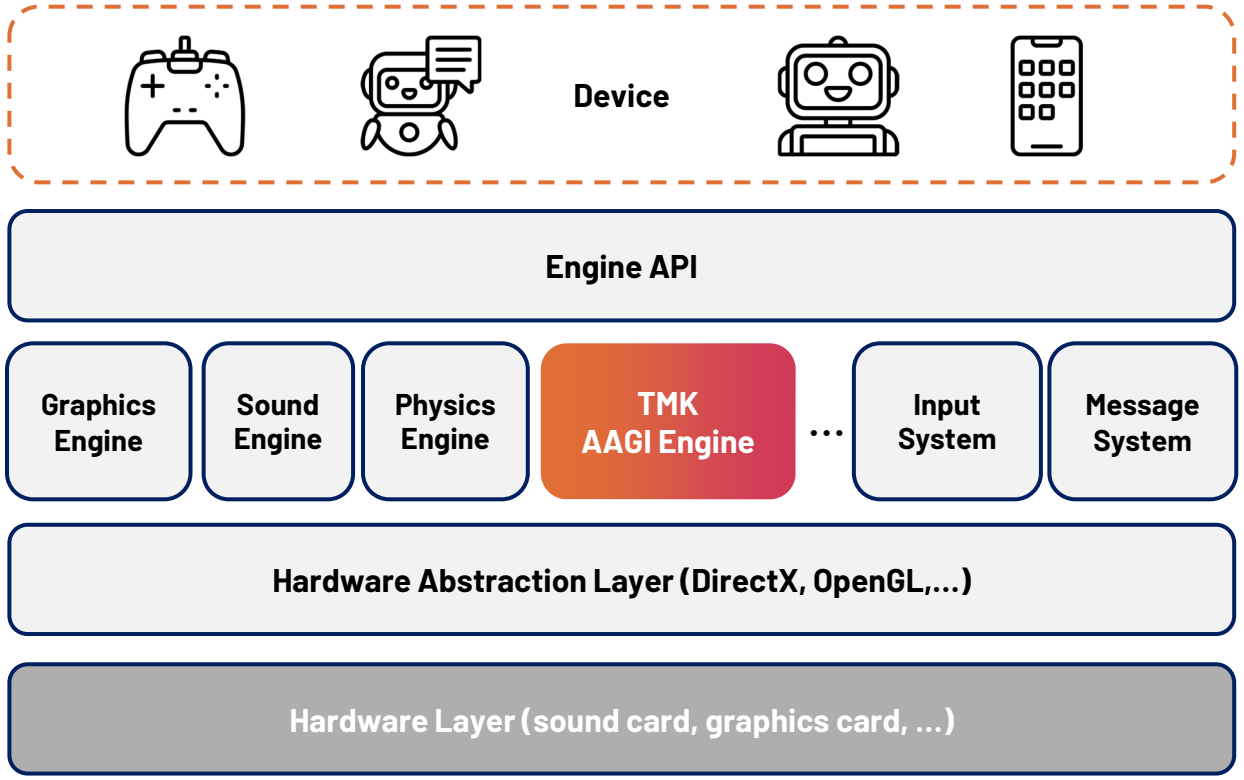
Gen AI

Big-data, Pattern recognition and Estatístical models

NON-CRITICAL SYSTEMS

INTEGRATION

ETR "Behavioral Engine" multi-device, multi-platform SaaS/Edge AGI technology



etr Powered

USE CASES

TELECOMUNICATIONS		AEROSPACE & DEFENSE
Chatbots for customer support, network optimization tools	Gen AI	AI-driven maintenance prediction, flight planning software
Learning and Self-Improvement Self-improving telecom systems that autonomously troubleshoot, optimize, and learn new protocols without human intervention	AGI	**Personalization and Relationship Building** Autonomous, relational AI in defense systems capable of understanding complex social and relational factors, aiding in diplomatic and operational decision-making

USE CASES

MANUFACTURING		E-COMMERCE
Assembly line robots, automated quality control systems	Gen AI	Generative design software and recommendation systems in design tools
Language and Communication Collaborative robots that communicate naturally with humans, understand nuanced instructions, and adapt to complex, custom manufacturing needs	AGI	**Adaptability and Flexibility** Autonomous design tools that creatively collaborate and adapt to trends and personalized needs.

USE CASES

FINANCE		PRODUCT DESIGN
Content recommendation algorithms, AI music composition	Gen AI	Sentiment analysis, personalized product recommendations
Decision-Making and Planning Fully autonomous financial planning with contextual and long-term strategic decision-making, ethical judgment, and economic forecasting	AGI	**Context and Emotional Understanding** Systems capable of empathizing with customer emotions, preferences, and contexts to provide a personalized, empathetic shopping experience

USE CASES

MEDIA & ENTRETAIMENT		INTELLIGENT AGENTS
Algorithmic trading, credit scoring, robo-advisors	Gen AI	Virtual assistants (e.g., Siri, Alexa), search engines
Creativity and Innovation Highly creative AI capable of generating original stories, music, and art that adapt dynamically to viewer preferences or social contexts	AGI	**Knowledge and Reasoning** Autonomous personal assistants with empathetic conversations that can perform complex tasks.

USE CASES

HEALTH

Gen AI	Diagnostic tools, virtual health assistants, predictive analytics
AGI	**Adaptive and Personalized Care** Autonomous healthcare that can provide personalized care, complex diagnoses, and even psychological support

TRANSDISCIPLINARY FULL-TIME TEAM

Mario Garcés | CEO
Computer scientist, neuroscience and AGI researcher. Serial entrepreneur since 1995

Víctor Simic | CIO
BSc in Electronic and Electromechanical Engineer,
MSc in Artificial Intelligence and interactive systems

Angel de la Fuente | IT Manager
Computer Scientist,
senior administrator of Networked Systems and Level 3 Certificate in Systems Security

Beatriz Cosculluela | CTO
BSc in Electronic Engineer,
MSc on Biomedic Engineering

Adrià Sánchez | Environment Developer
Videogames & 3D VR environment
Senior Developer

Lara López | CSO
MSc in Biology
and **PhD** in NeuroBiology

Julian Alonso | Model Researcher
BSc Physics,
BSc Mathematics

Carolina Vallejo | Behavior researcher
BSc in **Psychology**
and **MSc** in Neuropsychology

EXTENDED TEAM (tech partner)

ita Instituto Tecnológico de Aragón

Rafael del Hoyo
AI Dept. Director
BSc Physicist, **MSc** in AI systems
PhD Computer Science, Leader of Big Data and Cognitive Systems

Rosa Montañés
AI Lenguage researcher
BSc in Telecommunications Engineer,
MSc on Cognitive Sciences,
AI Language models

Gorka Labata
AI Models researcher
BSc in Mathematics, **MSc** in Modeling, Mathematical Research, Statistics and Computing Education, data scientist

Luis García
AI DEVOPS Engineer
BSc Computer Engineering,
MSc DEVOPS Engineering,
AI & Big Data technician and DEVOPS

Carlos Marañes
AI solutions developer
BSc Computer Science,
MSc in Computer Science,
Computer Vision Engineer

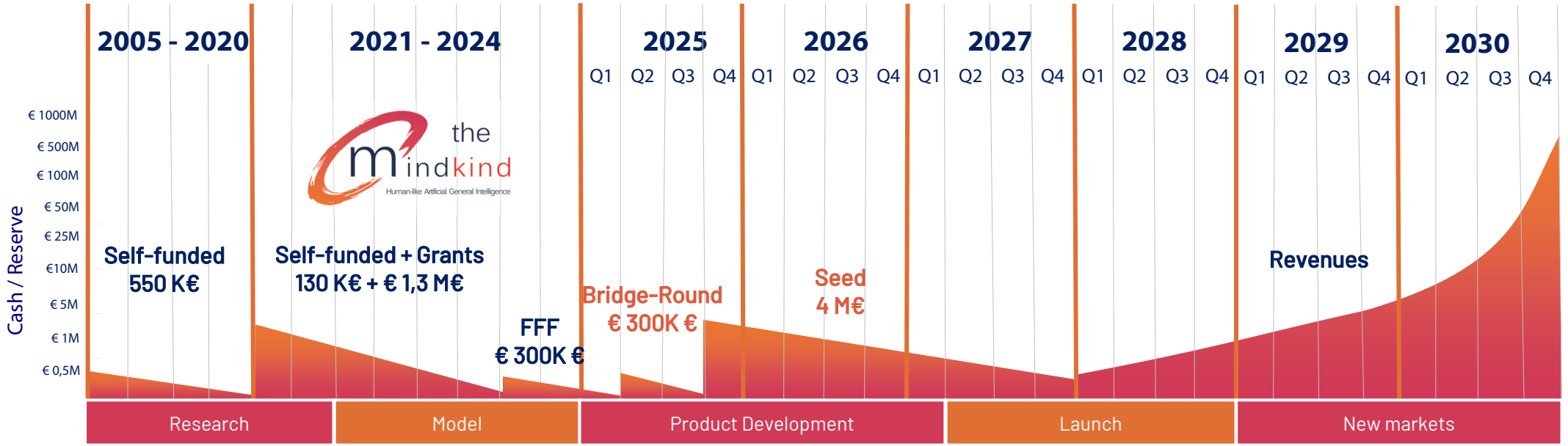
xelab

Laura Gil,
Technology humanizer
BSc Historian of Art. Humanizing Technology and business development

Alex García,
Computer Scientist
Technological polymath, Ideation, technology integration & Robotics

FUNDING

Looking for **300K € as a Bridge-Round**



THE MINDKIND'S INFLUENCE

Artificial Intelligence

THE MINKIND At a high-level meeting with Spain's Science Minister.

Its CEO, Mario Garcés, highlights the urgent need for R&D funding to accelerate advanced projects, including groundbreaking strides in General Artificial Intelligence—the industry's elusive 'Holy Grail.'"

Technology

Spain's Prime Minister Praises The MindKind for Leading the Rural Sustainability Revolution

Pedro Sánchez spotlights the innovation of The Mindkind, an Aragón-based SME, in the presentation of a €4.5 billion Recovery Plan, lauding its role in driving green transition and digital transformation to tackle demographic challenges and strengthen rural Spain.

European Innovation Council

The EIC Accelerator Programme

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