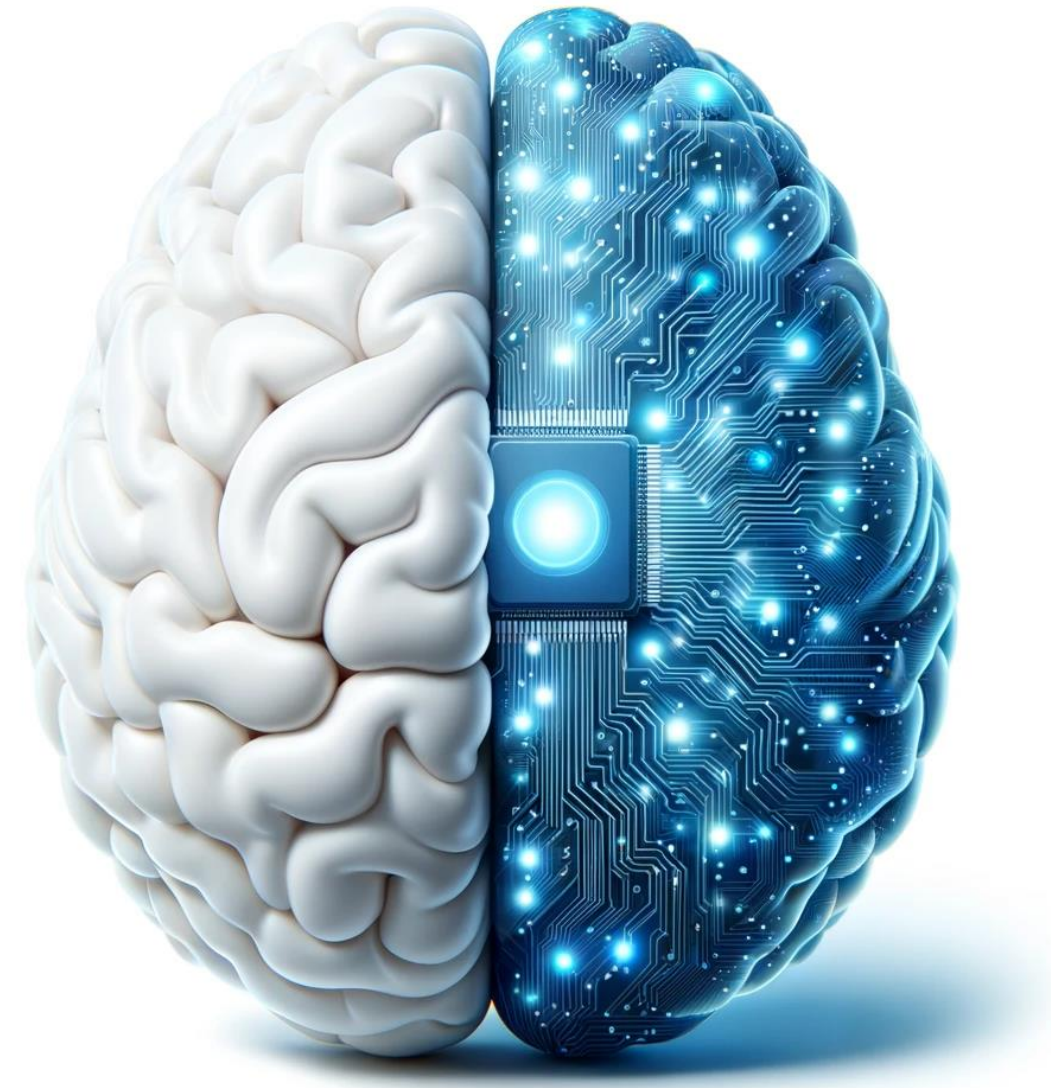


Robust & Efficient Intelligence

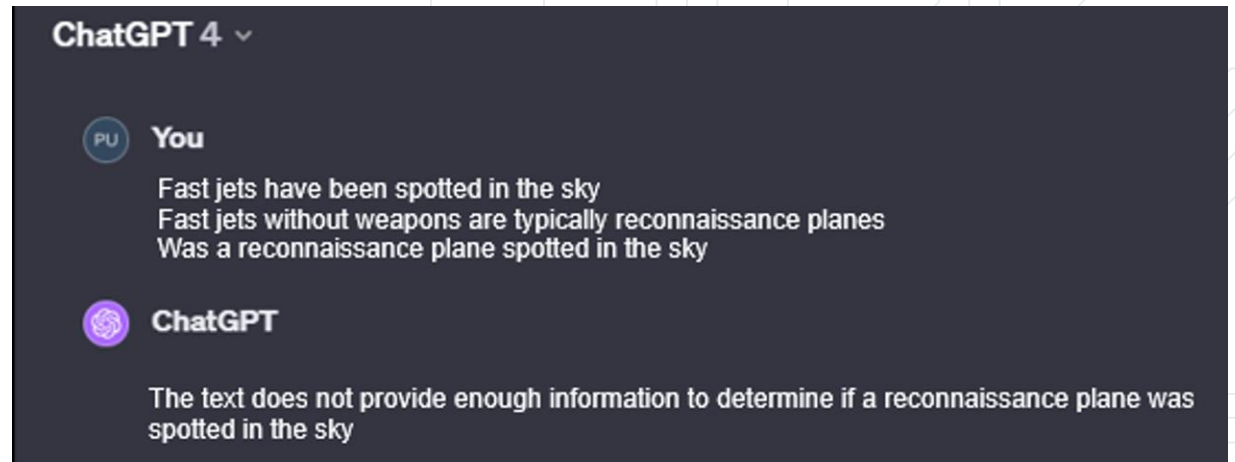
Learnings from the brain



Matthias Lohrmann
Co-founder & CTO

AI is stupid!

- Inability to reason
- Tendency to hallucinate
- Lacking robustness
- Unexplainable results



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The **SpiNNcloud** Supercomputer

Hardware enabled Robust AI

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The Worlds First Hybrid Supercomputer

- Integrates CPU, GPU and quantum-like functionalities in one system
- 10M compute cores
- Real-time edge-to-cloud integration



Truly smart & robust AI Systems with SpiNNcloud

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- The third wave will be driven by hybrid AI (DARPA)
- Neuro-symbolic combines DNNs and symbolic layers
- Enables explainable AI systems to outperform GPT-based models

The screenshot displays two chat windows side-by-side. The top window is for ChatGPT 4, and the bottom is for nars-GPT. Both windows show a user query: 'Fast jets have been spotted in the sky. Fast jets without weapons are typically reconnaissance planes. Was a reconnaissance plane spotted in the sky?'. The ChatGPT 4 response is a simple 'The text does not provide enough information to determine if a reconnaissance plane was spotted in the sky'. The nars-GPT response is more detailed, providing a logical analysis with symbols like '<fast_jet * sky -> spotted_in> .:|:' and concluding with 'Yes, a reconnaissance plane was spotted in the sky according to memory items i=13, i=14, i=15, i=23 with highest confidence of 0.28223.'

ChatGPT 4 ▾

You

Fast jets have been spotted in the sky
Fast jets without weapons are typically reconnaissance planes
Was a reconnaissance plane spotted in the sky

ChatGPT

The text does not provide enough information to determine if a reconnaissance plane was spotted in the sky

nars-GPT ▾

You

Fast jets have been spotted in the sky
Fast jets without weapons are typically reconnaissance planes
Was a reconnaissance plane spotted in the sky?

nars-GPT

Fast jets have been spotted in the sky
<fast_jet * sky -> spotted_in> .:|:
Fast jets without weapons are typically reconnaissance planes
<fast_jet --> [without_weapons]> .:|:
<fast_jet --> reconnaissance_plane> .:|:
was a reconnaissance plane spotted in the sky?
Yes, a reconnaissance plane was spotted in the sky according to memory items i=13, i=14, i=15, i=23 with highest confidence of 0.28223.

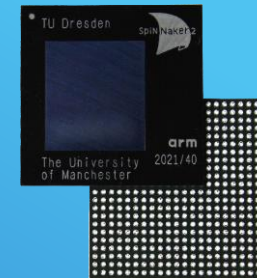
*Non-Axiomatic Reasoning System (NARS)

SpiNNcloud

A European Semiconductor Story

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- Designed in Dresden and Manchester
- Fabricated at Globalfoundries in Dresden
- Cloud operation starting in Q4/2024



- International Team with experts in AI, software, chip & system design
- Successfully entered US market 2023



IP backed by international patents

Our Asks

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1

Seed Round 6M€ to

- Validate our robust AI system
- Scale our sales pipeline

2

Do you think AI is still too unreliable for your problem?

-> talk to us!

Matthias Lohrmann

Co-founder & CTO

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