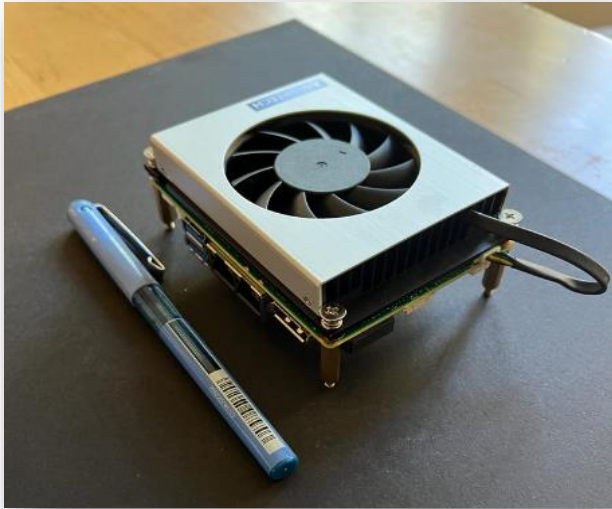


AiGENT-TECH

 <https://www.aigent-tech.com/>



ISRAEL
Kfar-Saba

2017
Founded Year

A
Funding Stage

10
Employees



J-BRIDGE

 **HackOsaka**
2nd. Edition

AiGENTECH.

Challenges / Problems

Today's robots, though advanced in hardware, lack intelligence affecting their functionality across various fields. These deficiencies lead to:

- **Adaptability Concerns:** They struggle with unforeseen or complex scenarios, often requiring human help especially in new, dynamic, or uncertain situations.
- **Limited Understanding:** Despite good vision and grip technology, they find tasks like tidying a kitchen challenging, showing a lack of real-world understanding.
- **Amorphic Mission Handling:** They find it hard to understand, decompose, plan, and execute vague tasks given through human language.

Proposed solutions

- AiGENT-TECH enhances robotic intelligence using Large Language Models (LLMs), Knowledge Graphs (KGs), and Physical World Models (PWMs) for dynamic programming, turning robots into adaptable entities. LLMs and KGs handle abstract planning, while PWMs enable real-world interaction and grounding. Our solutions enable multi-robot missions with or without humans in the loop.

Competitive advantages:

- On-the-Fly Programming: Enables robots to dynamically program themselves in real-time, breaking free from traditional constraints of inflexible, "hard-coded" instructions that hinder adaptation to novel tasks or situations.
- Hierarchical Thoughts Network: Allows robots to deconstruct complex missions and tasks into abstract plans, utilizing advanced reasoning capabilities, hierarchical planning algorithms, and physical world modelling to effectively interact within their physical environment.
- Imagination Engine: Utilizes a proprietary imagination engine to envision potential plans and scenarios, enabling the selection of optimal next actions to successfully accomplish mission objectives while optimizing the mission scoring.

Looking for collaboration / partnership with:

AiGENT-TECH extends an invitation to advanced robotic vendors and service providers for collaboration to elevate robots and robot services into intelligent entities with richer use cases and functionalities.

- Vendor Partnerships: Eager to collaborate with robotic manufacturers to amplify their products.
- Service Provider Partnerships: Eager to collaborate with robotics service providers to deliver sophisticated solutions based on intelligent robots.

Future business plan:

- Increase revenues to be \$3.3M in 2024, while keeping the operation profitable
- Expand customers portfolio in Israel and US
- Expand marketing efforts and sign a distribution agreement in Japan during 1H/24
- Find first PoC w/ robotic-vendor in Japan during 1H/24
- Expand R&D team to support new customers

