



FUTURE ROBOTICS EXPLORATION HUB

Location: **Stuttgart**

Start: **January 2027**

A vendor-open platform for training, benchmarking, and validating industrial robotics solutions.

Corporate Program

FUTURE ROBOTICS EXPLORATION HUB

An open-provider platform for the validation of mobile robotics solutions



DATA CAPTURING



- Teleoperation & Motion Capture
- Data Gloves & Multi-Camera Tracking
- Replication of real use cases (production, assembly, logistics)
- Mobile setup for real-world data collection in your organization
- Output: Training dataset

PHYSICAL AI TRAINING



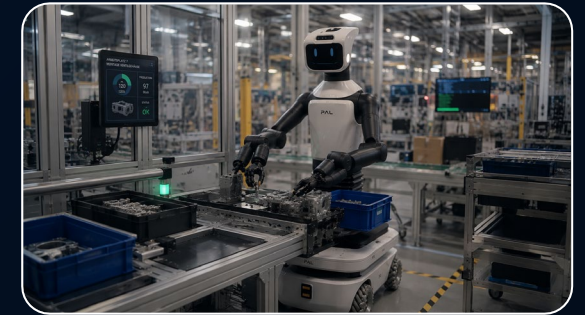
- Vision-Language-Action Modelle (inkl. aufkommender Tactile Modelle)
- Reinforcement Learning
- Fine-Tuning & Modelloptimierung
- Simulation & Synthetic Data
- Open-source Foundation Models
- Output: Trainiertes Physical-AI-Modell

MULTI-ROBOT BENCHMARK



- Compare different mobile and humanoid robot platforms side by side
- Evaluate & benchmark performance
- Verify safety, reliability & compliance
- Reduce the sim-to-real gap
- Output: Validated technology stack

INDUSTRIAL VALIDATION



- Validation in your own production environment
- Pilot deployments in real-world environments
- Make informed rollout & scaling decisions
- Optional: Rental & Robotics-as-a-Service (RaaS) models
- Output: Validated use case

FUTURE ROBOTICS ACADEMY

Build knowledge. Strengthen skills.



Simulation



Motion Capture



Imitation Learning



Reinforcement Learning



Robot Programming

FUTURE ROBOTICS **EXPLORATION HUB**

What You Get as a Corporate Program Partner



VENDOR-AGNOSTIC INFRASTRUCTURE

- Access to selected humanoid and mobile robotics platforms from different vendors
- Use of teleoperation, motion capture and simulation infrastructure
- Testing instead of early commitment
- Open to new technologies and components



EXPERT SUPPORT

- Dedicated robotics & automation expert team
- Support throughout the entire development process
- Technical support for your use cases
- Sparring partner for Physical AI



USE CASE DEVELOPMENT

- 3 cross-industry use cases per year (e.g. loading & unloading, quality assurance, assembly)
- 2 company-specific use cases per year
- Access to the entire Hub infrastructure
- Optional: Involvement of your own employees



NETWORK & TECH SCOUTING

- Access to the partner network
- Continuous overview of new robotics platforms and AI models
- Vendor-independent benchmarks
- Market & technology radar



TRAINING CENTER

- Access to hands-on training & workshops
- Individual sparring with robotics & AI experts
- Best-practice exchange with industry and technology partners
- Continuous capability building across the entire Physical AI value chain



VALIDATION & TRANSFER

- Vendor-agnostic technology validation
- Pre-validated industrial use cases
- Sound basis for investment decisions
- Opportunity to test your own products and components

FUTURE ROBOTICS EXPLORATION HUB

Building the Future Robotics Exploration Hub – Together



HOW WE WORK TOGETHER

✓ One-Year Collaboration instead of individual projects

A defined one-year engagement provides the framework for shared infrastructure, capability building and industrial use-case development.

✓ Active Co-Creation

Corporate Partners contribute their requirements, use cases and technology needs to actively shape the Hub and its development.

✓ Shared Infrastructure & Expertise

Joint access enables the operation and continuous development of robotics infrastructure, technology platforms and expert capabilities.

WHAT YOU GAIN

✓ Vendor-agnostic instead of vendor-locked

Compare, test and validate technologies and platforms from different providers in a neutral environment.

✓ Learn together instead of building alone

Benefit from the expertise of our experts and a strong partner network across the entire value chain.

✓ Validate technologies before you invest

Make informed technology and investment decisions based on hands-on testing and real-world industrial validation.



FUTURE ROBOTICS EXPLORATION HUB



Potential Use Case Areas

Corporate Partners jointly select the cross-industry use cases to be explored and implemented in the Hub. The examples below illustrate potential application areas.

MATERIAL TRANSPORT & PREPARATION



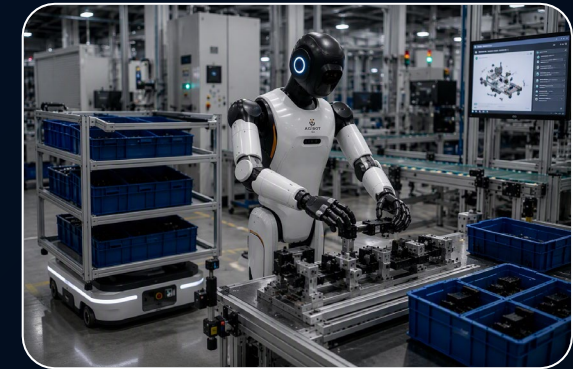
Flexible provision and preparation of materials for downstream processes.

LOADING & UNLOADING



Automation of component feeding to inspection stations for quality assurance.

ASSEMBLY



Simple assembly processes involving varying components or process sequences.

Your contact persons



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