FUTURE ROBOTICS EXPLORATION HUB

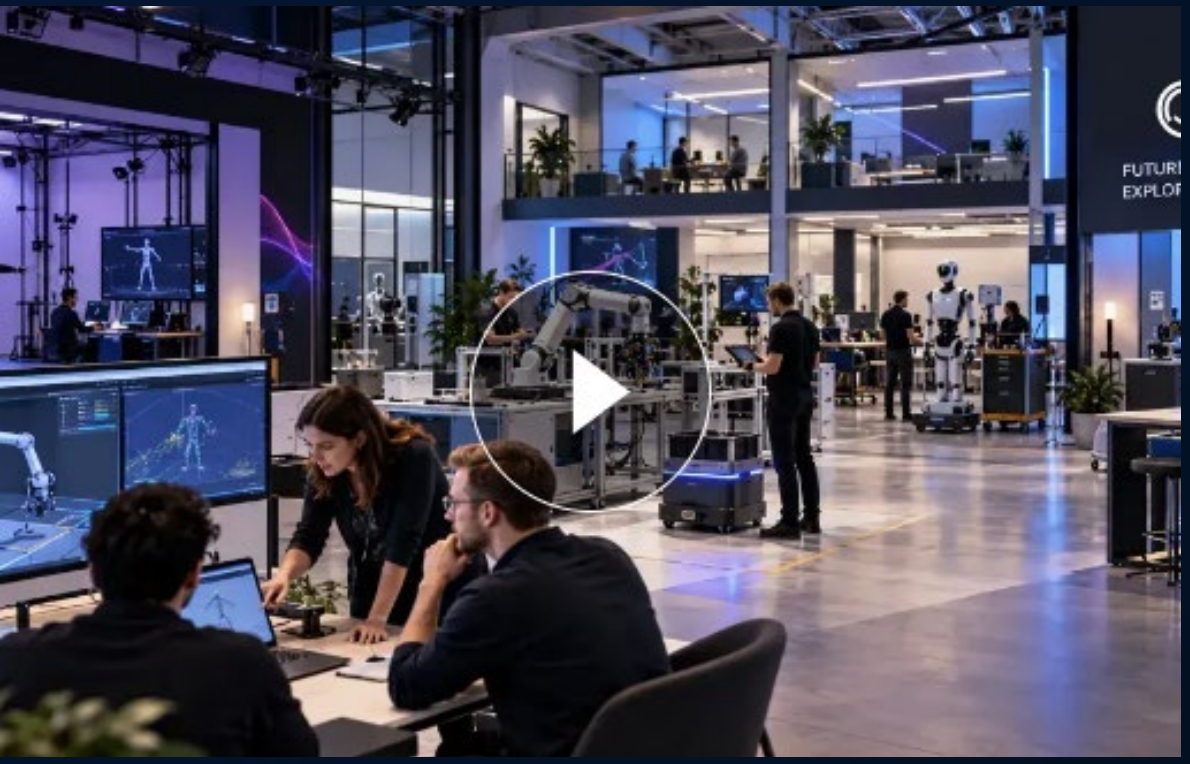
We don’t just develop robotics applications.

We work with industrial companies to build the capabilities they need to shape the future of Physical AI themselves.

Corporate Program

FUTURE ROBOTICS EXPLORATION HUB

A vendor-open platform for the validation of mobile robotics solutions



www.innovation-center.com/robotics

WHY NOW?
WHY TOGETHER?

Physical AI is transforming industries. The Future Robotics Exploration Hub combines vendor-agnostic technology validation, hands-on capability building and industrial use case development in one shared environment.

VENDOR-AGNOSTIC INSTEAD OF VENDOR-LOCKED

Compare, benchmark and validate robotics platforms, AI models and components in a vendor-neutral environment before making strategic investment decisions.

BUILD CAPABILITIES, NOT DEPENDENCIES

Develop your own Physical AI capabilities alongside our experts through your teams' active involvement in real use case implementations, hands-on projects, and targeted training programs.

VALIDATE BEFORE INVEST

Reduce technology and investment risks through hands-on industrial validation of robotics platforms and real-world use cases.

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FUTURE ROBOTICS EXPLORATION HUB

Germany's first vendor-open Hub

VENDOR-OPEN INFRASTRUCTURE

Access to a wide range of robotics technologies in a shared testing and development environment.

- Humanoid & mobile robots from different vendors
- AI models, software platforms, sensors & components
- Teleoperation, motion capture & simulation
- Multi-robot bench-marking & expert support

BUILD CAPABILITIES, DEVELOP USE CASE

Build your own Physical AI capabilities by implementing real-world use cases together with our experts.

- Cross-industry & company-specific use cases
- Dedicated robotics & automation experts
- Hands-on workshops, training & technical coaching
- Data capturing & Physical AI training

VALIDATE & UNLOCK OPPORTUNITIES

Test robotics solutions under real-world conditions and unlock new applications and business opportunities.

- Hands-on industrial validation before you invest
- Technology scouting & access to the robotics ecosystem
- Test your own products & components
- Explore new partnerships & business opportunities



JOIN THE HUB

LOCATION
STUTTGART

OPENING
JANUARY 2027

SELECTED INDUSTRY COMMITMENTS

LIEBHERR SICK Sensor Intelligence NETZSCH

With further companies committed & additional commitments underway

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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**

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FUTURE ROBOTICS EXPLORATION HUB

What You Get as a Corporate 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 experts
- Support throughout the entire development process
- Hands-on knowledge transfer through collaborative project work
- Technical support for your company-specific use case implementations

USE CASE DEVELOPMENT

- 3 cross-industry use cases per year (e.g., loading & unloading, quality inspection, assembly)
- Active involvement of your employees in joint use case implementation
- Company-specific use case implementation leveraging the Hub infrastructure

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

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FUTURE ROBOTICS EXPLORATION HUB

Shaping Physical AI Together – Your Path to Collaboration

OUR COLLABORATION MODEL

12 MONTHS OF TECH EXPLORATION & CAPABILITY BUILDING

A 12-month collaboration providing access to the Hub, joint development projects, and the opportunity to build in-house Physical AI capabilities.

JOINT USE CASE IMPLEMENTATION

Active involvement in shaping and implementing 3 cross-industry use cases together with our experts and the teams of participating industry partners.

ACCESS TO HUB INFRASTRUCTURE

Access to selected robotics platforms, testing and training environments, and expert resources throughout the collaboration period.

HOW WE GET STARTED

ALIGNING OUR OBJECTIVES

Aligning your industrial challenges, technology priorities, and development goals with our expert team.

JOINT USE CASE PRIORITIZATION

Joint selection and prioritization of 3 cross-industry use cases with participating industry partners.

JOINT IMPLEMENTATION & CAPABILITY BUILDING

Hands-on development, testing, and validation of use cases by your employees working alongside our experts.

HUB OPENING & COLLABORATION START

January 1, 2027

First partner cohort

NEXT COLLABORATION START

April 1, 2027

Next partner cohort

HUB-KOOPERATION

12 months

FUTURE ROBOTICS EXPLORATION HUB

Potential Use Case Areas

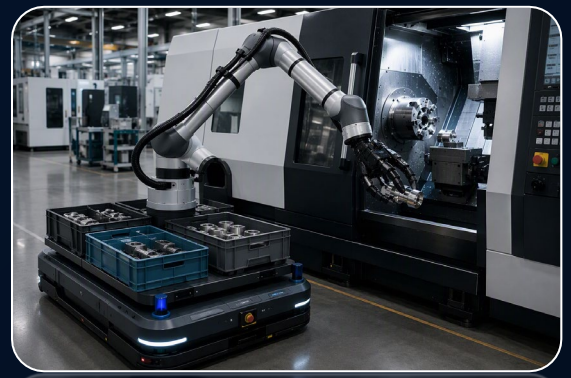
Corporate Partners jointly select the cross-industry use cases to be explored and implemented in the Hub.
The examples below illustrate potential application areas.

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.

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