



# FUTURE ROBOTICS EXPLORATION HUB

Location: **Stuttgart**

Start: **January 2027**

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

Tech 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



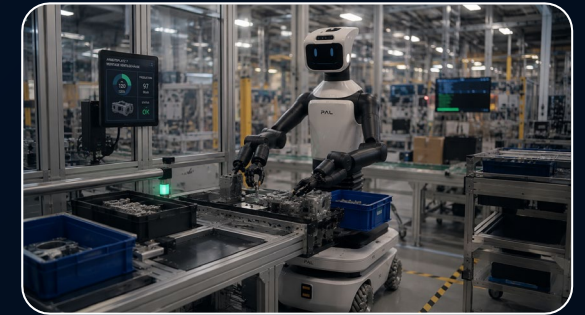
- Vision-Language-Action Modelle (inkl. aufkommender Tactile Modelle)
- Reinforcement Learning
- Fine-Tuning & Modelloptimierung
- Simulation & Synthetic Data
- Open-source Foundation Models
- Output: Trainiertes Physical-AI-Modell

## 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 Tech Partner



## ACCESS TO INDUSTRIAL CUSTOMERS

- Direct access to Corporate Partners and industrial decision-makers
- Exchange with manufacturing, automation and innovation teams
- Early insights into real industrial requirements and use cases
- Opportunities to initiate pilots and customer projects



## INDUSTRIAL SANDBOXING

- Test and refine new or pre-release technologies in a realistic industrial environment
- Explore potential applications before customer deployment
- Receive hands-on feedback from industrial users
- Iterate based on real-world requirements and user feedback



## INDUSTRIAL VALIDATION

- Validate your technology across defined industrial use cases
- Benchmark performance and capabilities
- Identify integration and deployment requirements
- Build evidence for industrial readiness



## PILOT-TO-SCALE OPPORTUNITIES

- Move from Hub validation toward deployments at Corporate Partners
- Create references for industrial applications
- Support customer decisions with validated results
- Unlock opportunities for rollout and scaling



## DRIVE TECHNOLOGY ADOPTION

- Build familiarity with your technology among engineers at Corporate Partners
- Enable hands-on experience with your hardware and software
- Lower adoption barriers by building practical knowledge and confidence
- Increase the potential for your technology to be considered in future deployments



## VISIBILITY & ECOSYSTEM

- Permanent presence in the Future Robotics Exploration Hub
- Demonstrate your technology to Corporate Partners, visitors and delegations
- Connect with robotics, AI, component and integration partners
- Explore new partnerships and joint solutions

# FUTURE ROBOTICS EXPLORATION HUB

From Commitment to Collaboration



## YOUR CONTRIBUTION AS A TECHNOLOGY PARTNER

### ✓ Technology Contribution

Provide relevant technology for use within the Hub, including robotics platforms, hardware, software or AI solutions, depending on your technology portfolio.

### ✓ Access & Licenses

Provide the licenses, interfaces and access required to operate and use your technology within the Hub, including relevant APIs and SDKs.

### ✓ Technical Support

Provide access to your technical experts for technology-specific support, troubleshooting and technical questions throughout the partnership.

### ✓ Initial Enablement

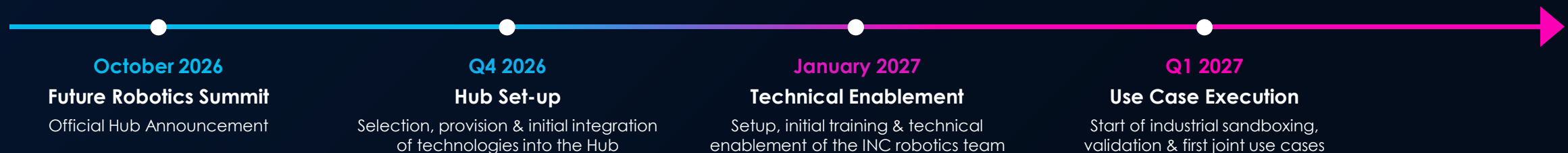
Support the initial setup and enable the INC robotics team to independently work with your technology.

### ✓ Operational Readiness

Ensure your technology remains available and operational throughout the partnership through appropriate maintenance, support and updates.

### ✓ Technology Updates & Refresh

Keep your technology up to date and provide access to relevant new releases, upgrades or next-generation solutions throughout the partnership.



# 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



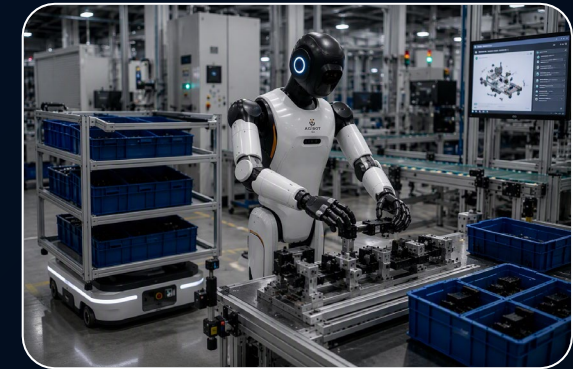
Flexible provision and preparation of materials for downstream processes.

### 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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