Power Your AI Transformation Journey with Physical AI

From autonomous potential to industrial reality

Zensar
An RPG Company
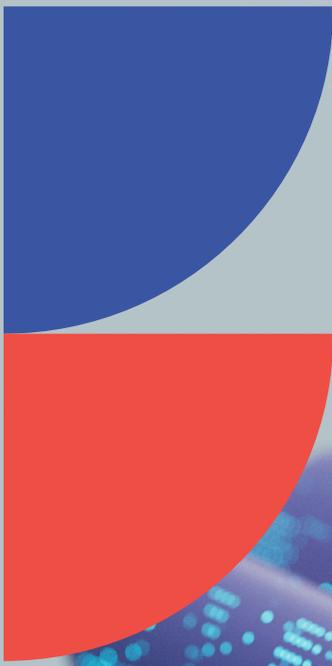
Buying a best-in-class AI robot or algorithm is only the starting point. The true value — and the greatest risk — lies in integrating these AI components and managing their full lifecycle, from data capture to daily operations. When simulation, AI models, hardware, and operations remain fragmented, risk increases, costs rise, and time-to-value slows.

We serve as the end-to-end orchestrator, brining together simulation-first execution and a secure AI Foundry.

Our unified offerings

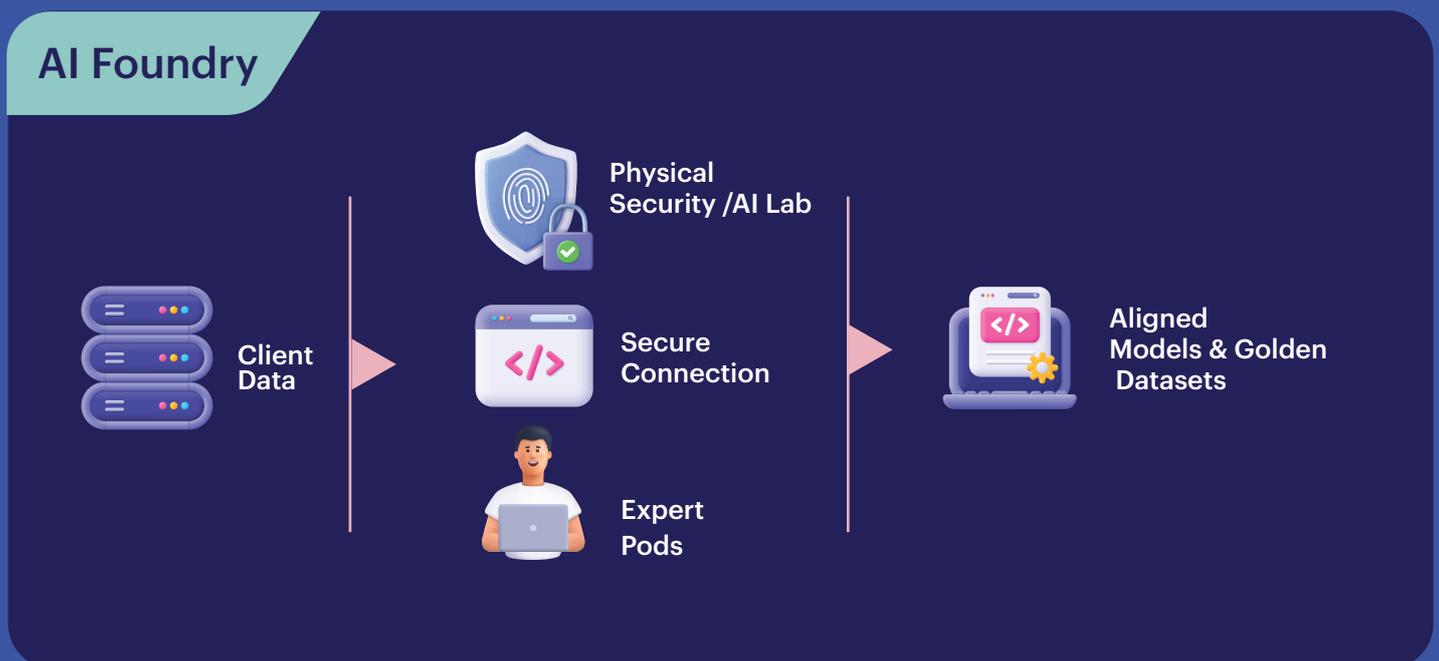### ● Advisory — ensuring strategic viability

Helps enterprises identify the right Physical AI use cases, validate feasibility, quantify ROI, and de-risk investments before committing to large-scale deployments.

● Build — industrializing for scale and safety

Designs and implements production-grade Physical AI systems by integrating data platforms, simulation, model orchestration, OT/IT integration, and safety-by-design

● Run and optimize service — RoboOps

Provides continuous operations, monitoring, optimization, and workforce enablement to ensure Physical AI systems remain reliable, compliant, and high-performing in production.

AI Foundry

Client Data → Physical Security /AI Lab, Secure Connection, Expert Pods → Aligned Models & Golden Datasets

What you get

- Over two years of proven AI Foundry delivery, converting experimental AI into production-grade business outcomes.

- Secure and governed by design, meeting enterprise and regulated-industry standards from day one.

- Boutique depth with startup execution speed — senior expertise without big-firm drag.

- Data-efficient AI engineering, delivering equal or better model performance with materially less data and cost.

- Built for scale and reuse, not one-off pilots — accelerators, playbooks, and IP baked in.

Expanding possibilities:
Our proven track record of success

Simulation-first AI Foundry for Physical AI At Scale

A global enterprise advancing Physical AI and world-model autonomy required large-scale, high-fidelity training data.

Real-world robotic deployments alone were insufficient. The critical gap was synchronized human-robot interaction data — captured, annotated, and audited in a controlled environment to validate foundation world models.

We built an AI Foundry for Physical AI simulation, anchored by a 100-seater simulation lab.The Foundry standardizes data generation, annotation, and auditing for world-model training within a governed environment.

AI Foundry capabilities

01. **Human-in-the-loop simulation:** Head-mounted cameras and sensors capture vision, motion, and intent.

02. **Human–robot synchronization:** Human actions are time-aligned with robotic simulators.

03. **Multimodal data capture:** Video, sensor, kinematic, and simulation data are captured together.

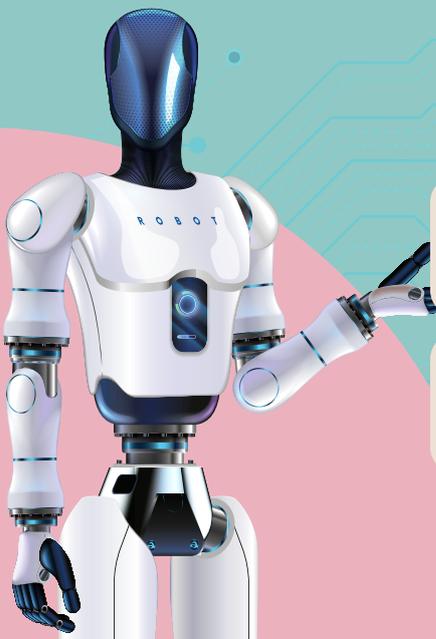**04.** **Scenario replay at scale:** Tasks are replayed to generate edge cases and balanced datasets.
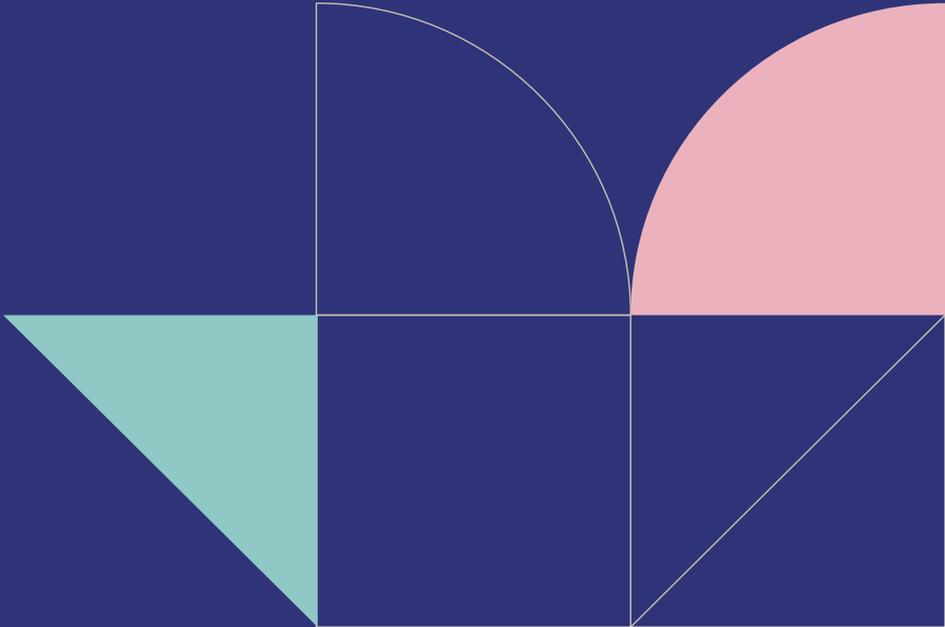
Outcomes

Built a scalable Physical AI data factory

Accelerated world-model training and validation

Improved model robustness and generalization

Reduced dependence on real-world robotics testing

We ensure AI acts safely, reliably, and at scale in the real world.
To know more, write to us at **info@zensar.com.**

Zensar

An **»RPG** Company

At Zensar, we're 'experience-led everything.' We are committed to conceptualizing, designing, engineering, marketing, and managing digital solutions and experiences for over 145+ leading enterprises. Using our 3Es of experience, engineering, and engagement, we harness the power of technology, creativity, and insight to deliver impact.

Part of the $4.8 billion RPG Group, we are headquartered in Pune, India. Our 10,000+ employees work across 30+ locations worldwide, including Milpitas, Seattle, Princeton, Cape Town, London, Zurich, Singapore, and Mexico City.

For more information, please contact: **info@zensar.com | www.zensar.com**