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General Robotics Advances Physical AI with GRID's Self-Engineering Robot Intelligence Platform

General Robotics' GRID platform now automates robot onboarding, model ingestion and skill deployment, dramatically reducing the time needed to bring intelligent robots into production.

By **Ankit Kankar** | September 13, 2026



Image Courtesy: Public Domain

General Robotics, a company building the intelligence layer for physical AI, announced a major milestone for GRID, its robot intelligence platform. Built from the ground up as an agentic system that continuously improves itself and every robot connected to it, GRID is now auto-engineering its own processes, from robot onboarding to skill deployment. The result is a significant reduction in the time and specialized robotics expertise required to bring robots into production.

“People have been trying to deploy advanced robotic systems the same way for 50 years. With the rapid advances in AI, it’s time to rethink the approach,” said Ashish Kapoor, founder and CEO of General Robotics. “Our GRID architecture is fundamentally different. It is the most efficient and flexible way to deploy and make robots useful by bringing decades of robotics knowledge, from research to software and AI models to simulations, data and hardware, into one agent-first platform with intelligence that compounds.”

GRID utilizes a set of knowledge graphs to turn every deployment into structured, reusable intelligence. Each robot onboarded, task performed, model ingested and failure encountered feeds back into the platform, raising the baseline of future deployments for everything that comes after it. Together, these graphs turn individual engineering efforts into a shared knowledge layer while ensuring customer data and IP remain protected. GRID is now using AI to engineer the entire process of onboarding new robots and AI models, to the creation and deployment of new skills. The result is a significant reduction in time and intelligence that compounds with every deployment.

The latest evolution of GRID has dramatically reduced the time and specialized talent organizations require to bring robots into production and greatly expands the scenarios that GRID supports for customers:

- **Robot Onboarding:** Reduced from **one month** to **as little as two hours**.
- **Model Ingestion:** Reduced from **three days** to **as little as 20 minutes**.
- **Skill Transfer Across Form Factors:** Reduced from **three days** to **as little as 1.5 hours**.
- **New Skill Creation and Deployment:** Achieved in **as little as two days**.

GRID customers span a growing roster of industry leaders, including global top 5 companies across automotive manufacturing, port operations, energy generation, and food and beverage production, as well as multiple government agencies. These companies and others rely on the freedom to choose the robot manufacturer and form factor best suited for each task. GRID empowers an expanding ecosystem of leading robot manufacturers with immediate access to transferable

intelligence for rapid deployment and expanded capability. This includes Fanuc, a leader in heavy industrial robots, and Galaxea, a leader in bimanual mobile manipulation.

“As a FANUC Authorized System Integrator (ASI), General Robotics is advancing frontier physical AI across the FANUC portfolio — unlocking new AI-driven use cases and greater value for customers,” said Ryan Patterson Jr., General Manager (Sales, Engineering & Operations), United States General Industries (USGI), FANUC America Corporation, Robotics Division.

“We are working with GRID to accelerate deployment of advanced robotics for global customers across automotive, pharmaceutical, consumer packaged goods, apparel, and government,” said Gao Jiyang, Founder and CEO, Galaxea Dynamics.

General Robotics is backed by investors across leading technology companies and venture capital firms, including Construct Capital, Accenture Ventures, E14, NVIDIA, Shorooq, Valo Ventures and Khosla Ventures.

A Different Way to Build Robots

The robotics industry faces two significant constraints. First, the talent needed to engineer intelligent robotics systems is scarce and research focused. Second, the robotics development stack is deeply fragmented, requiring bespoke integrations of software tools, communications protocols, and programming paradigms for each distinct robot solution. Together, these constraints prevent organizations from moving beyond promising pilots into delivering reliable, at-scale production-ready systems.

“There’s no single ChatGPT moment coming for robotics, just deployment-by-deployment progress, built on real-world data most companies aren’t set up to capture. GRID is a platform that treats that problem as the product, which is exactly the unglamorous work that compounds,” said Hans Peter Brondmo, former VP at Google X and CEO at Everyday Robots.

General Robotics built GRID to remove these bottlenecks. GRID utilizes a modular library of composable skills, foundation models and classical techniques that any connected robot can invoke to accomplish a task. As these models and approaches improve, so does GRID. These advancements in GRID make robot intelligence accessible and adaptable across robot types and use cases, rather than constrained to a single solution or AI approach.

An Agentic System That Now Engineers Itself

With this evolution, GRID's architecture is purpose-built for agentic development and is now automating the end to end robot engineering lifecycle. When given a task, GRID determines which skills are required, assembles the optimal recipe of models and approaches, and orchestrates the skill's creation, automatically building and running the simulation environments needed to train, evaluate and refine it. From there, GRID manages AI skill deployment, monitors performance and failures, and determines what needs to change next.

That closed loop – from onboarding, to skill deployment, to real-world evaluation, and back again – runs continuously. GRID is always reasoning over what must be built, tested, fixed, or improved next, across every robot and task connected to the platform.

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